

# ARMY



# NAVY

GAZETTE OF THE  
REGULAR

## JOURNAL.

AND VOLUNTEER  
FORCES.

VOLUME XXIX.—NUMBER 40.  
WHOLE NUMBER 1501.

NEW YORK, SATURDAY, MAY 28, 1892.

SIX DOLLARS PER YEAR.  
SINGLE COPIES, FIFTEEN CENTS



### MAGNOLIA METAL.

IN USE BY

Eight Leading Governments.

BEST ANTI-FRICTION METAL FOR

Steamship, Railroad, Dynamo, Rolling-Mill, High-Speed Engine, Saw-Mill, Cotton-Mill, Paper-Mill, and all Machinery Bearings.

**MAGNOLIA ANTI-FRICTION METAL CO.**

—OWNERS AND SOLE MANUFACTURERS—

74 Cortlandt Street. New York.  
London Office, 75 Queen Victoria Street. Chicago Office, 41 Trader's Building.

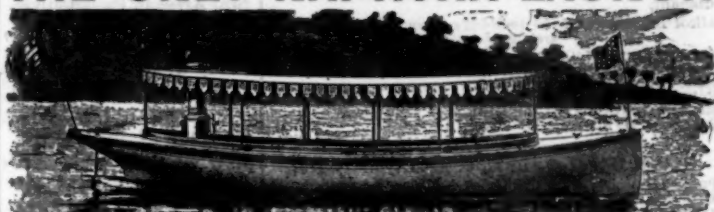
**THE WM. CRAMP & SONS:**  
**SHIP & ENGINE BUILDING**  
**COMPANY:**  
**PHILADELPHIA.**

### WRIGHT, KAY & COMPANY,

(Successors to ROEHM & WRIGHT.)

FOREIGN BUYERS, AND IMPORTERS OF Gems and Art Goods, Jewelers Engravers, and Opticians. Refer to all connected with the Army who have been stationed at Detroit or Fort Wayne during the past twenty years.  
Sample package sent on memorandum to any City or Post in the United States.  
The largest Assortment of Foreign Silver in the World!  
—Agents for PATEK, PHILIPPE & CO.'S CELEBRATED WATCHES.—  
DETROIT, MICH.

### THE ONLY NAPHTHA LAUNCH



OVER 600 LAUNCHES IN SUCCESSFUL OPERATION. PRACTICALLY DEMONSTRATED TO BE ABSOLUTELY SAFE. Impossible to explode boiler, engine, or any part of the mechanism under conditions subjected to in usage.

NAMES OF SOME GOVERNMENT OFFICERS USING OUR LAUNCHES:  
Capt. W. H. Birby, Wilmington, N. C. Supt. Mendenhall, Key West, Fla.  
Asst. Engr. W. H. Chadbourne, Jr., Beaufort, N. C. Capt. W. M. Black, Tampa, Fla.  
Capt. Frederick V. Abbott, Charleston, S. C. Surg. R. D. Murray, Chandelour Island, Miss.  
Supt. Mendenhall, U. S. C. and G. Survey, Lt. S. M. Ackley, U. S. C. Survey, Wash., D. C.  
Pensacola, Fla. Capt. J. C. Mallory, U. S. A., Light House Engineer, Charleston, S. C.

The NAPHTHA LAUNCH is the simplest, safest and speediest power boat built. No special knowledge of machinery required. Can be handled by any one after short instruction.

NO STEAM, NO HEAT, NO DUST, NO DIRT, NO SMOKE, NO GREASE, NO ASHES. Cleanly, light in weight and draught, and underway in three minutes. Economical to run. "Blue Book" contains hundreds of testimonials. Catalogue, with prices and all particulars, sent on application.

**GAS ENGINE AND POWER CO.,**  
Morris Heights on the Harlem, New York City.  
**THE PACIFIC NAPHTHA LAUNCH CO.,** Tacoma, Wash.,  
AGENTS FOR PACIFIC COAST.

### THE DRIGGS ORDNANCE CO.

700 14th Street, Washington.

**THE DRIGGS-SCHROEDER ORDNANCE COMPANY, LIMITED.**

24 AUSTIN FRIARS, LONDON

Rapid Fire Guns of all calibres. Recoil and non-recoil mounts.

Light Guns for Yachts.

Ammunition of the Highest Grade.

**"PROVIDENCE" WINDLASSES AND CAPSTANS.**  
**BEST IN THE WORLD.**

**American Ship Windlass Co.,**  
P. O. Box 53. PROVIDENCE, R. I.

## MILITARY AMMUNITION

OF SUPERIOR QUALITY,

FOR EVERY VARIETY OF RIFLE AND REVOLVER.

**Primed Shells and Bullets,**

Paper Shot Shells, Wads, Primers, &c., for all Sporting Arms.

**THE UNION METALLIC CARTRIDGE COMPANY,**  
BRIDGEPORT, CONN.

### HOTCHKISS ORDNANCE COMPANY,

1503 Pennsylvania Avenue, Washington, D. C.; 14 Fountain St., Providence, R. I.

**LIGHT ARTILLERY,**

**AND HOWELL AUTOMOBILE TORPEDOES.**



Bennett Building, Nassau, Cor. Fulton St

## THE ARMY.

BENJAMIN HARRISON, President and Commander-in-Chief of the Army and Navy.

STEPHEN B. ELKINS, Secretary of War.

LEWIS A. GRANT, Assistant Secretary of War.

## CONFIRMATIONS.—MAY 20.

## Cavalry.

Major Curwen B. McLellan, 10th Cavalry, to be lieutenant-colonel.

Captain Theodore J. Wint, 4th Cavalry, to be major.

1st Lieutenant Frederick W. Kingsbury, 3d Cavalry, to be captain.

1st Lieutenant Abiel L. Smith, Regimental Quartermaster, 4th Cavalry, to be captain.

2d Lieutenant Sedgwick Rice, 7th Cavalry, to be 1st lieutenant.

## Infantry.

Major William H. Powell, 23d Infantry, to be lieutenant-colonel.

Captain Emerson H. Liecum, 19th Infantry, to be major.

1st Lieutenant Alexander H. M. Taylor, 19th Infantry, to be captain.

2d Lieutenant Beaumont B. Buck, 18th Infantry, to be 1st lieutenant.

Medical Department (to be assistant surgeons with the rank of 1st lieutenant).

Champe Carter McCulloch, Jr., of Texas.

Frederick P. Reynolds, of New York.

Isaac Palmer Ware, of Maine.

Robert Scott Woodson, of Alabama.

Madison M. Brewer, of the District of Columbia.

George D. De Shon, of Michigan.

G. O. S. DEPT. OF THE COLUMBIA, May 14, 1892.

Publishes under Par. 218, A. R. the course of practical instruction for artillery troops in the Dept. of the Columbia for 1892.

## STAFF CORPS AND DEPARTMENTS.

## Adjutant and Inspector Generals.

Leave for 10 days is granted Maj. M. V. Sheridan, Asst. Adjt.-Gen., Omaha, Neb. (S. O. 41, May 11, D. Platte).

Maj. P. D. Vroom, Insp.-Gen. Dept. of Texas, will proceed to College Station, Tex., on public business (S. O. 54, May 15, D. Texas).

Col. Edward M. Heyl, I. G., will proceed on public business to the U. S. Infantry and Cavalry School and the Leavenworth Military Prison at Ft. Leavenworth, Kas., and then to St. Louis, Mo. (S. O. 45, May 17, D. Mo.).

Lieut.-Col. George H. Burton, I. G., will proceed to Reno, Nev., and return, on public business (S. O. 54, May 19, D. Cal.).

Maj. P. D. Vroom, Insp.-Gen. Dept. of Texas, will proceed to Austin College, Sherman, Texas; the Louisiana State University, Baton Rouge, La.; the Agricultural and Mechanical College of Mississippi, Oktibbeha County, Miss.; the University of Alabama, Tuscaloosa County, Ala.; and the Alabama Agricultural and Mechanical College, Auburn, Ala., on public business (S. O. 57, May 21, D. Texas).

## Judge Advocate General's Department.

The leave granted Capt. Edgar S. Dudley, Asst. J. A., is extended 25 days (S. O., May 20, H. Q. A.).

## Quartermasters and Subsistence Departments.

Capt. Charles H. Ingalls, Asst. Q. M., will proceed on public business to Portland, Ore., and return (S. O. 57, May 17, D. Columbia).

Capt. John McE. Hyde, Asst. Q. M., Depot Q. M., Davids Island, New York Harbor, will visit New York City on public business (S. O. 115, May 18, Rec. Ser.).

Capt. Oskaloosa M. Smith, C. S., will relieve Capt. Douglas M. Scott, C. S., of his duties as Depot Q. M. at New Orleans, La. (S. O., May 24, H. Q. A.).

Comy. Sergt. John B. Hamilton, now on furlough at San Antonio, Tex., will report at the expiration of the same to the C. O. Ft. Ringgold, Tex., for duty (S. O., May 19, H. Q. A.).

## Pay Department.

Maj. George R. Smith, Paymr., will proceed to Ft. Leavenworth, Kas., and pay Troop I, 10th Cavalry (S. O. 46, May 19, D. Mo.).

Maj. William F. Tucker, Paymr., will proceed to Ft. Myer, Va.; Ft. McHenry, Md.; Washington Barracks, D. C., and Ft. Monroe, Va., and pay the troops at those stations to May 31 (S. O., May 25, H. Q. A.).

## Medical Department.

1st Lieut. Paul Shillock, Asst. Surg., will accompany the battalion of the 11th Infantry from Ft. Grant to San Carlos, A. T., and from thence the 24th Infantry battalion to Ft. Huachuca, A. T. (S. O. 60, May 12, D. Ariz.).

Par. 1, S. O. 47, c. s., Dept. of California, is modified to read as follows: Capt. Harry O. Perley, Asst. Surg., in addition to his duties as post surgeon of Ft. Mason, will examine recruits at the recruiting rendezvous in San Francisco, Cal., and attend to the routine business of the Medical Director's office, Dept. of California, during the temporary absence of Lieut.-Col. Francis L. Town, Surg. (S. O. 53, May 16, D. Cal.).

Lieut.-Col. Dallas Bache, Surg., Med. Director Dept. of the Platte, will proceed to Ft. Omaha, Neb., and make an inspection of the medical department at that post. He will also proceed to Ft. Logan, Colo.; Ft. Du Chesse and Douglas, Utah; Camp Pilot Butte, Fts. Washakie and Douglas, Wyo., and Ft. Sidney, Neb., on public business (S. O. 44, May 18, D. Platte).

Maj. Calvin De Witt, Surg., in charge of the Medical Director's office Dept. of Texas, will proceed to Fts. Brown, Ringgold and McIntosh, Tex., on public business (S. O. 55, May 18, D. Texas).

Leave for three months, to take effect on or about July 1, is granted Capt. Henry S. Turfill, Asst. Surg. (S. O., May 21, H. Q. A.).

The leave granted Capt. Augustus A. De Loffre, Asst. Surg., is extended one month on surgeon's certificate (S. O., May 21, H. Q. A.).

A Board of Medical Officers—to consist of Maj. John Brooke, Surg.; Capt. Charles Richard, Asst.

Surg., and 1st Lieut. Benjamin L. Ten Eyck, Asst. Surg.—is appointed to meet at Ft. Leavenworth, Kas., June 6, to examine into and report upon the physical qualifications of Sergt. Wilbur E. Dove, Co. E, 12th Inf., to discharge all the duties of an officer in active service (S. O., May 21, H. Q. A.).

Act. Asst. Surg. Alonzo F. Steigers is relieved from duty at Alcatraz Island, Cal., and will repair to Washington, D. C., and report to the Surgeon-General for duty in his office (S. O., May 23, H. Q. A.).

Capt. Charles B. Ewing, Asst. Surg., is relieved from duty as attending surgeon and examiner of recruits at St. Louis, Mo., and will proceed to Baltimore, Md., and relieve Capt. C. N. Berkeley Macauley, Asst. Surg., from duty as attending surgeon and examiner of recruits in that city. Capt. Macauley, upon being relieved, will await further orders for the convenience of the Government (S. O., May 23, H. Q. A.).

Hosp. Stwd. John F. Minot, retired, this week from active service, served during part of the war in a Massachusetts regiment, and was appointed hospital steward, U. S. A., in December, 1864. His record is a most excellent one.

## Engineer and Ordnance Departments.

Leave for one month, to take effect about June 15, is granted 1st Lieut. Charles L. Potter, C. E. (S. O. 24, May 20, C. E.).

Capt. Rogers Birnie, O. D., will proceed to Frankford Arsenal, Philadelphia, Pa., on public business (S. O., May 19, H. Q. A.).

Capt. Charles S. Smith, O. D., will proceed from Washington, D. C., to Sandy Hook Proving Ground, Sandy Hook, N. J., on official business in connection with the test of ordnance (S. O., May 20, H. Q. A.).

Leave for two months, to take effect about July 1, is granted 1st Lieut. J. Walker Benét, O. D. (S. O., May 25, H. Q. A.).

Ord. Sergt. Charles Gill, Fort at Clark's Point, Mass., will report to the C. O. Ft. Warren, Mass., on June 2, for discharge and re-enlistment (S. O. 65, May 25, D. East.).

## Chaplains.

The leave granted Post Chaplain Henry H. Hall is extended three days (S. O. 45, May 17, D. Mo.).

The extension of leave granted Post Chaplain William H. Pearson is still further extended six months on account of disability (S. O., May 20, H. Q. A.).

## THE LINE.

The Stations of Companies not mentioned here will be found by reference to last number of the JOURNAL.

## 1st Cavalry, Colonel Abraham K. Arnold.

Hdqs., C. E. F. G. H. and K, Ft. Grant; D, Ft. Apache; B and I, Ft. Bayard; N. M.; L, Ft. Sheridan, Ill.; A, Ft. Myer, Va.—Indian troop.

1st Lieut. Jacob G. Galbraith, recruiting officer, Davenport, Iowa, will visit the temporary branch rendezvous at Muscatine, Iowa, May 25 and 30 (S. O. 118, May 21, Rec. Ser.).

## 2nd Cavalry, Colonel George G. Hunt.

Hdqs., C. D. H. and L, Ft. Wingate, N. M.; K, San Carlos Ariz.; G, Ft. Stanton, N. M.; B and I, Ft. Huachuca, A. T.; E, Ft. Bowie, Ariz.; F, Ft. Leavenworth, Kas.; A, on duty with International Boundary Commission.—Indian troop.

2d Lieut. Charles G. Lyman, A. D. C., will take charge of the engineer and signal offices at San Francisco, Cal. (S. O. 53, May 16, D. Cal.).

## 3rd Cavalry, Colonel Albert P. Morrow.

Hdqs., A and G, Ft. McIntosh, Tex.; D and K, Fort Sam Houston, Tex.; F, Ft. Hancock, Tex.; C and I, Ft. Ringgold, Tex.; B, Ft. Brown, Tex.; H, Eagle Pass, Tex.; E, Camp Pecos Colorado; L, Ft. Meade, S. D.—Indian troop.

Major G. A. Purinton is relieved from duty at Fort Clark, and will proceed to Fort Ringgold, Tex., and assume command of that post (S. O. 54, May 16, D. Tex.).

Leave for one month is granted Capt. G. K. Hunter (S. O. 57, May 21, D. Tex.).

## 4th Cavalry, Colonel Chas. E. Compton.

Hdqs., A, D, H and L, Ft. Walla Walla, Wash.; C, Ft. Bidwell, C. E.; F, Ft. Sherman, Idaho; E, Vancouver Bks., Wash.; B, Boise Bks., Idaho; B, I (1) and (2), Presidio of San Francisco, Cal.—Indian troop. (1) On drs. Yosemite Park. (2) On drs. Sequoia Park.

In a regimental order of May 9, Lieut.-Col. Anson Mills, commanding the regiment, says: "The promotion of Capt. A. L. Smith having been announced, he is relieved as R. Q. M. The regimental commander takes advantage of the opportunity thus offered, to express his high appreciation of the thorough and intelligent manner in which Capt. Smith has performed the various duties devolving upon him. At all times has he demonstrated his high integrity as a man, and his sterling worth as a soldier. The approval of the Secretary of War having been received, 1st Lieut. Harry C. Benson is appointed R. Q. M."

1st Lieut. Harry C. Benson, Q. M., will report at Dept. of California en route to join his station, Fort Walla Walla, Wash. (S. O. 53, May 16, D. Cal.).

## 5th Cavalry, Colonel Eugene A. Carr.

Hdqs., A, E, F, G, and K, Ft. Niobrara, Neb.; C and E, Ft. McKinney, Wyo.; D and I, Fort Yellowstone, Wyo.; B, Ft. Washakie, Wyo.; L, Ft. Sheridan, Ill.—Indian troop.

## 7th Cavalry, Colonel James W. Forsyth.

Hdqs., A, C, D, E, G, H and I, Ft. Riley, Kas.; B and K, Ft. Sheridan, Ill.; F, Fort Myer, Va.; L, Ft. Bill, Okh. T.—Indian troop.

1st Lieut. W. A. Holbrook, A. D. C., will proceed to Forts Brown, Ringgold and McIntosh, Texas, on public business (S. O. 55, May 18, D. Tex.).

Leave for two months and twenty days, to take effect on or about June 1, is granted 1st Lieut. Willard A. Holbrook, with permission to leave the U. S. (S. O., May 21, H. Q. A.).

## 9th Cavalry, Colonel James Biddle.

Hdqs., A, D, E, F, G and I, Ft. Robinson, Neb.; B and H, Ft. Du Chesse, Utah; C, Ft. Leavenworth, Kas.; K, Fort Myer, Va.

The leave granted Capt. Matthias W. Day is extended four days (S. O. 41, May 11, D. Platte.).

## 10th Cavalry, Colonel John E. Misner.

Hdqs., A, B, E, G and H, Ft. Custer, Mont.; C and F, Ft. Assiniboine, M. T.; I, Ft. Leavenworth, Kas.; K, Ft. Buford, N. D.; D, Ft. Keogh, Mont.

1st Lieut. Wm. H. Smith, adjt., is detailed as recruiting officer at Fort Custer, Mont. (S. O. 75, May 17, D. Dak.).

The rifle practice season is extended for the troops of the 10th Cav., so as to give each troop one month for revolver practice and two months for carbine firing, to date from the day of commencement of practice, which, if not already begun, will commence at once. Any time which may have been consumed by these troops in target practice this year while serving in the Department of Arizona will be deducted from the time allotted them in the Department of Dakota (S. O. 76, May 18, D. Dak.).

## 1st Artillery, Colonel Loomis L. Langdon.

Hdqs., A, G, I, and K, Ft. Hamilton, N. Y. H., C, D, and L, Ft. Wadsworth, N. Y. E., Ft. Sheridan, Ill. B, H, and M, Ft. Columbus, N. Y. J., Ft. Monroe, Va.—Light battery.

1st Lieut. Henry L. Harris will report by letter to Major Clifton Comly, member of the board of control and management of the Government exhibit to represent the War Department, in connection with the World's Columbian Exposition (S. O., May 20, H. Q. A.).

Sergt. Herman Koeker, Bat. F, will be discharged June 8 by the C. O. Fort Monroe (S. O. 63, May 20, D. East.).

## 2nd Artillery, Colonel John Mendenhall.

Hdqs., C, G, and M, Ft. Adams, R. I. K, Ft. Trumbull, Conn.; E, Ft. Probs, Mass.; B, and D, Ft. Warren, Mass.; A, and F, Ft. Riley, Kas.; I, Ft. Monroe, Va.; H and L, Ft. Schuyler, N. Y.—Light battery.

The extension of leave granted 1st Lieut. Samuel Rodman, Jr., is still further extended to include Sept. 23 (S. O., May 25, H. Q. A.).

## 3rd Artillery, Colonel La Rhett L. Livingston.

Hdqs., A, C, E, H, K, and L, Washington Bks., D. C. D, G, and I, Ft. McHenry, Md.; B and M, Ft. Monroe, Va.; F, Ft. San Houston, Tex.—Light battery.

Bats. A, D, E and L will proceed to Fort Monroe, Va., for annual artillery practice, and encamp there during June and part of July. Bats. G, H, I and K will proceed July 15 to Fort Monroe, Va., for annual artillery practice, and encamp there until Aug. 31 (S. O. 63, May 20, D. East.).

Capt. Lewis Smith will repair at once to Griffin, Ga., and attend the encampment of the Georgia militia, to be held at that place from May 24 to July 11, for the purpose of inspecting the troops (S. O., May 24, H. Q. A.).

## 4th Artillery, Colonel Henry W. Closson.

Hdqs., A, C, E, G, I, K, L and M, Ft. McPherson, Ga.; F, Ft. Riley, Kas.; H, Ft. Monroe, Va.; D, Ft. Barrancas, Fla.; B, Ft. Adams, R. I.—Light battery.

1st Lieut. John T. French, Jr., is detailed for duty at the New York State Camp of Instruction at Peekskill, N. Y., from June 18 to July 30 (S. O., May 24, H. Q. A.).

Sergt. Joseph J. Dancy, Bat. H, will be discharged June 7 by the C. O. Fort Monroe (S. O. 65, May 25, D. East.).

A despatch from Newport, R. I., says: "Between 9 and 10 P. M. May 22 a small catboat containing five soldiers was upset in rounding the Spindle Light, south end of the torpedo station. One of them swam ashore to that island. The four others clung to the Spindle posts. Their cries attracted the attention of Christian Luth, who went to their assistance in a small shell and succeeded in rescuing three of them. One, a soldier named W. Sheehan, lost his hold and was drowned. All five belonged to Major Cushing's Light Battery B at Fort Adams. Mr. Luth's action was heroic, the night being inky black and it raining heavily."

## 5th Artillery, Colonel William M. Graham.

Hdqs., B, C, D, F, H, and K, Presidio of San Francisco Cal.; E, Ft. Mason, Cal.; G, and L, Ft. Canby, Wash.; A and I, Alcatraz Island, Cal.; J, Ft. Monroe, Va.—Light battery.

Leave from June 1, to include Aug. 31, is granted

2d Lieut. Charles C. Gallup (S. O., May 23, H. Q. A.).

The leave granted 1st Lieut. Wm. R. Hamilton is extended to include Aug. 31 (S. O., May 23, H. Q. A.).

## 1st Infantry, Colonel William R. Shafter.

Hdqs., A, B, C, D, G, and H, Angel Island, Cal.; E and F, Benicia Bks., Cal.; I, Ft. Bidwell, Cal.—Indian company.

2d Lieut. George W. Kirkman is detailed as recruiting officer at Benicia Bks., Cal., vice Capt. John J. O'Connell, relieved (S. O. 54, May 19, D. Cal.).

## 2nd Infantry, Colonel John C. Bates.

Hdqs., A, B, C, D, E, F, G, and H, Ft. Omaha, Neb.

Leave for two months is granted Col. John C. Bates (S. O., May 24, H. Q. A.).

## 3rd Infantry, Colonel Edwin C. Mason.

Hdqs., A, B, C, D, E, F, G and H, Ft. Snelling, Minn.

Leave for one month, to take effect upon the completion of the approaching June examinations at the U. S. Infantry and Cavalry School at Ft. Leavenworth, Kas., is granted 2d Lieut. Frank G. Kalk (S. O. 47, May 21, D. Mo.).

## 4th Infantry, Colonel William P. Carlin.

Hdqs., A, D, F, and H, Ft. Sherman, Idaho; B, E, G and I, Ft. Spokane, Wash.; C, Boise Barracks, Idaho.—Indian company.

## 5th Infantry, Colonel Nathan W. Osborne.

Hdqs., D and E, Ft. Francis Bks., Fla.; B and H, Jackson Bks., La.; C and G, Mt. Vernon Bks., Ala.; A, Ft. Leavenworth, Kas.; F, Ft. Sam Houston, Tex.

Capt. Theodore F. Forbes is relieved from duty as J. A. of the G. C. M. at Mt. Vernon Bks. during the trial of Pts. Sebeatzky and Whelan, Co. C, 5th Inf. (S. O. 63, May 20, D. East.).

Major George B. Russell is detailed member of the G. C. M. at Mt. Vernon Bks. (S. O. 64, May 23, D. East.).

2d Lieut. Richard C. Croxton is relieved as a member of the G. C. M. at Mt. Vernon Bks. during the trial of Pvt. Wm. J. Beazley, H. C., in order that he may act as counsel for the prisoner (S. O. 64, May 23, D. East.).

Capt. Theodore F. Forbes is relieved as J. A. of the G. C. M. at Mt. Vernon Bks., Ala., during the trial of Corpl. Poling, Co. G, 5th Inf., and 2d Lieut. James Baylies is relieved as a member and detailed as J. A. of the court for the trial of that case (S. O. 65, May 25, D. East.).

## 6th Infantry, Colonel Melville A. Cochran.

Hdqs., B, C, D, E, G and H, Ft. Thomas, Ky.; E, Newport Barracks, Ky.; A, Ft. Wood, N. Y. H.

Co. A, Fort Wood, will proceed July 19 to Fort Niagara for a season of small arms target practice, to finish by Aug. 15 (S. O. 63, May 20, D. East.).



**7th Infantry, Colonel Henry C. Merriam.**

Hdqrs. A, B, C, D, E, F, and G, Ft. Logan, Colo.; G, Camp Pilot Butte, Wyo.; H, Ft. Leavenworth, Kas.—Indian company.

The leave granted 1st Lieut. Edward E. Hardin is extended three months (S. O., May 20, H. Q. A.). 1st Lieut. Edward E. Hardin (now on leave) is detailed for duty at the New York State Camp of Instruction at Peekskill, N. Y., from June 18 to July 30 (S. O., May 24, H. Q. A.).

**9th Infantry, Colonel Charles G. Bartlett.**

Hdqrs. B, C, D, E, F and G, Madison Bks., N. Y.; H, Plattsburgh Bks., A, Fort Ontario, N. Y.

Capt. Jesse M. Lee will proceed on public business to the following points, in the order named, and then return to his station in Chicago, viz.: Knox College, Galesburg, and University of Illinois, Champaign, Ill.; Vincennes University, Vincennes; De Pauw University, Greencastle, and Purdue University, Lafayette, Ind. (S. O. 45, May 19, D. Mo.).

Leave for one month, to commence about June 15, with permission to apply for an extension of two months, is granted Capt. E. B. Robertson (S. O. 63, May 20, D. East.).

Two companies from Madison Bks. will be sent to Fort Niagara May 31, and be ready to commence their target season as soon as possible after June 1. On June 25 this detachment will be replaced by two other companies from Madison Bks. (S. O. 63, May 20, D. East.).

**10th Infantry, Colonel Edward P. Pearson.**

Hdqrs. B and D, Ft. Marcy, N. M.; A and F, Ft. Leavenworth, Kas.; G, San Diego Bks., Cal.; E, Ft. Stanton, N. M.; H and I, Ft. Wingate, N. M.; J, Oklahoma, O. T.

**13th Infantry, Colonel Edwin F. Townsend.**

Hdqrs. E and G, Ft. Leavenworth, Kas.; A, F and H, Ft. Yates, N. D.; B, C, and D, Ft. Sully, S. D.; I, Mt. Vernon Bks., Ala.—Indian company.

1st Lieut. Daniel E. McCarthy, recruiting officer, Evansville, Ind., will proceed to Princeton, Ind., and establish a temporary branch rendezvous at that place (S. O. 115, May 18, Res. Ser.).

1st Lieut. W. W. Waterspoon is detailed J.-A. of the G. C. M. at Mt. Vernon Bks. during the trial of Pvt. Sabatizky and Whelan, Co. C, 5th Inf. (S. O. 63, May 20, D. East.).

2d Lieut. David J. Baker, Jr., is detailed as member of the G. C. M. at Mt. Vernon Bks. (S. O. 63, May 20, D. East.).

**14th Infantry, Colonel Thomas M. Anderson.**

Hdqrs. B, C, D, E, F, and G, Vancouver Bks. Wash.; A and I, Ft. Townsend, Wash.; H, Ft. Leavenworth, Kas.—Indian company.

Leave for one month, to take effect upon the completion of the approaching June examinations at the U. S. Infantry and Cavalry School at Fort Leavenworth, Kas., is granted 2d Lieut. Edw. T. Winston (S. O. 47, May 21, D. Mo.).

**15th Infantry, Colonel Robert E. A. Crofton.**

Hdqrs. A, B, C, D, E, F, G and H, Ft. Sheridan, Ill.

2d Lieut. James Mitchell is detailed as a member of the G. C. M. convened at Fort Sheridan, Ill., vice 1st Lieut. Albert Todd, 1st Art., relieved (S. O. 45, May 17, D. Mo.).

Capt. Casper H. Conrad will proceed from Fort Sheridan, Ill., to Columbus, O., so as to reach there on or before June 2, to conduct recruits to his regiment (S. O. 47, May 21, D. Mo.).

**19th Infantry, Colonel George M. Brayton.**

Hdqrs. A, E, G, and H, Ft. Wayne, Mich.; B and F, Ft. Brady, Mich.; C and D, Ft. Mackinac, Mich.

**20th Infantry, Colonel Euell S. Otis.**

Hdqrs. A, B, D, E, F, G, and H, Ft. Assiniboine, Mont. C and I, Camp Poplar River, Mont.—Indian company.

Leave for one month is granted Lieut.-Col. Evan Miles, Fort Assiniboine, Mont. (S. O. 75, May 17, D. Dak.).

**21st Infantry, Colonel Horace Jewett.**

Hdqrs. A, C and E, Ft. Niagara, N. Y.; B and H, Ft. Porter, N. Y.; D, Ft. Du Chesne, Utah; F, G, and I, Ft. Randall, S. D.—Indian company.

1st Lieut. Charles H. Bonesteel is assigned to duty as range officer at the Presidio of San Francisco (S. O. 62, May 14, D. Cal.).

One company will proceed June 25 to Fort Niagara for small arms practice and will be relieved July 20 by the other company from Fort Porter (S. O. 63, May 20, D. East.).

Capt. Stephen P. Jocelyn, 1st Lieut. Frank L. Palmer and 2d Lieut. Edmund L. Butts will proceed to Fort Niagara, N. Y., and report as witnesses before a court (S. O. 65, May 25, D. East.).

**22nd Infantry, Colonel Peter T. Swaine.**

Hdqrs. A, B, C, D, E, F, G, and H, Ft. Keogh, Mont.; I, Ft. Yates, N. D.—Indian company.

A correspondent at Fort Keogh writes: "A sad accident occurred on May 4 at Keogh, resulting in the death of Pvt. Darnall, Co. B. He was accidentally shot by late Pvt. James, just discharged from the same company, who was fooling with a revolver and inadvertently discharged it. Pvt. Darnall was buried May 7 with military honors, and notwithstanding the rain, every man turned out to do honor to their dead comrade."

**24th Infantry, Colonel Zenas E. Bliss.**

Hdqrs. D, E, F and G, Ft. Bayard, N. M.; A, B and H, Ft. Huachuca, A, T.; C, Ft. Bowie, A. T.

Leave for ten days, to take effect immediately, is granted 2d Lieut. W. P. Jackson (S. O. 61, May 14, D. Ariz.).

**25th Infantry, Colonel Edward G. Bush.**

Hdqrs. F, G, and H, Ft. Missoula, Mont.; A and D, Ft. Cañon, Mont.; B, C, and E, Ft. Buford, N. D.

So much of par. 1, S. O. 116, May 17, H. Q. A., as relates 1st Lieut. Wm. J. Pardee from further duty with the 8th Inf. and directs him to proceed to join his proper station, is revoked (S. O., May 25, H. Q. A.).

(For Late Army Orders see page 702.)

Appointments, etc., recorded in the A.-G. O., May 21, 1892.

**CASUALTIES.**

Ord. Sergt. Christopher Slaven (retired), died May 10, 1892, at New York City, New York.  
Sergt. John Whitten (retired), died May 13, 1892, at Washington, D. C.

**Courts-martial.**

The following courts have been ordered:

At Fort Washack, Wyo., May 23. Detail: Maj. Emil Adam, 8th Cav.; Capt. Wm. Baird, 8th Cav.; 1st Lieut. Chas. F. Mason, 8th Cav.; and Edgar S. Walker, 8th Inf. 2d Lieut. Joseph C. Beardsley, 8th Inf., and Harold P. Howard, 8th Cav., and 1st Lieut. John N. Glass, 8th Cav., J.-A. (S. O. 41, May 11, D. Platte.).

At Fort Missoula, Mont., May 23. Detail: Capt. Washington I. Sanborn and Henry P. Hittus, 1st Lieut. John McMartin and Eaton A. Edwards, R. Q. M., 2d Lieut. Thos. H. McGuire, Vernon A. Caldwell and Henry L. McCorkle, 25th Inf., and 1st Lieut. Geo. Andrews, 25th Inf., J.-A. (S. O. 75, May 17, D. Dak.).

At Fort Meade, S. D., May 25. Detail: Major Almond B. Wells, Capt. Araluis G. Hennisee, Edw. A. Godwin, James B. Hickey and Quincy O. M. Gillmore, 1st Lieut. Farrand Sayre, 2d Lieut. Elwood W. Evans and Francis C. Marshall, 8th Cav., and 1st Lieut. John A. Johnston, 8th Cav., J.-A. (S. O. 76, May 18, D. Dak.).

At Fort Sully, S. D., May 26. Detail: Capt. Alexander B. MacGowan, John L. Viven and Frederick A. Smith, 1st Lieut. Millard F. Waltz, 12th Inf., and John H. Beacom, 3d Inf.; 2d Lieut. Geo. J. Godfrey and Willis Uline, 12th Inf., and 1st Lieut. Stephen C. Mills, 12th Inf., J.-A. (S. O. 77, May 19, D. Dak.).

At the Military Prison, Fort Leavenworth, Kas., May 24. Detail: Capt. Hugh G. Brown, 12th Inf., and Edw. L. Randall, 5th Inf.; 1st Lieut. James B. Jackson, 7th Inf.; John F. McBride, 9th Cav.; Richard M. Blatchford, 11th Inf.; Wm. N. Hughes, 13th Inf., and Frederick Perkins, 13th Inf.; 2d Lieut. Armand I. Lasseigne, 7th Inf.; Solomon P. Vestal, 8th Cav.; Jm. H. Sample, 14th Inf.; Oren B. Meyer, 2d Cav.; Alfred W. Drew, 1st Inf., and Edw. Siegfried, 5th Inf., and 1st Lieut. Robt. L. Bullard, 6th Inf., J.-A. (S. O., May 19, H. Q. A.).

At West Point, N. Y., May 23. Detail: Capt. Lawrence L. Bruff, O. D.; 1st Lieut. John P. Wisner, 1st Art.; Mason M. Patrick, C. E.; Geo. W. McIver, 7th Inf.; Benjamin Alvord, 20th Inf., and Robt. A. Brown, 4th Cav.; 3d Lieut. Elmer W. Hubbard, 1st Art.; Arthur Thayer and Cecil Stewart, 3d Cav.; Floyd W. Harris, 4th Cav.; Harry Friesland, 3d Inf.; T. Bentley Mott, 1st Art., and Wirt Robinson, 4th Art., and 1st Lieut. Daniel H. Boughton, 3d Cav., J.-A. (S. O., May 20, H. Q. A.).

At Fort McHenry, Md., May 25. Detail: Major Joseph G. Ramsey, Capt. John R. Myrick, Edw. C. Knower and Geo. A. Thurston, 1st Lieut. Chas. A. Bennett, 2d Lieut. John P. Haines and Geo. LeR. Irwin, 3d Art., and 1st Lieut. Chas. W. Foster, 3d Art., J.-A. (S. O. 64, May 23, D. East.).

At Fort McPherson, Ga., June 2. Detail: Lieut.-Col. Richard H. Jackson, 4th Art.; Maj. Peter J. A. Cleary, surg.; Capt. Geo. G. Greenough, Frederick Fugger, Wm. Ennis, Wm. F. Stewart and Constantine Chase, and 1st Lieut. Walter S. Alexander and Chas. L. Phillips, 4th Art., and 1st Lieut. Sidney W. Taylor, 4th Art., J.-A. (S. O. 64, May 23, D. East.).

**Examining Boards.**

The following officers will report in person to Col. Eugene A. Carr, 8th Cav., president of the examining board at Fort Niobrara, Neb., for examination by the board as to their fitness for promotion: 2d Lieut. John J. Pershing, 8th Cav., and Harry G. Trout, 8th Cav. (S. O., May 23, H. Q. A.).

The following officers will report to Lt.-Col. David Perry, 10th Cav., president of the examining board at Fort Custer, Mont., for examination as to their fitness for promotion: Capt. Wm. M. Wallace, 6th Cav., and 1st Lieut. Robt. D. Read, Jr., 10th Cav. (S. O., May 23, H. Q. A.).

A Board of Officers is appointed to meet at Fort Meade, S. D., for the examination of such officers as may be ordered before it, to determine their fitness for promotion. Detail: Lieut.-Col. Edwin V. Sumner, 8th Cav.; Maj. Justus M. Brown, surg.; Maj. Almond B. Wells, 8th Cav.; Capt. Araluis G. Hennisee, 8th Cav.; Capt. Norton Strong, 8th Cav.; and 1st Lieut. Joseph A. Gaston, adjt. 8th Cav., recorder. The following officers will report for examination by the board: 1st Lieut. John A. Johnston and 2d Lieut. Joseph C. Byron, 8th Cav. (S. O., May 23, H. Q. A.).

The following officers will report to Col. Melville A. Cochran, 6th Inf., president of the examining board at Fort Thomas, Ky., for examination as to their fitness for promotion: 1st Lieut. David D. Mitchell, 15th Inf., Chas. G. Starr, 1st Inf., and Chas. Byrne, adjt. 6th Inf. (S. O., May 23, H. Q. A.).

The following officers will report to Col. Robert E. A. Crofton, 15th Inf., president of the examining board at Fort Sheridan, Ill., for examination as to their fitness for promotion: 1st Lieut. John J. Crittenden, 2d Inf., and Theodore H. Eckerson, 10th Inf. (S. O., May 23, H. Q. A.).

**Inspection of Indian Supplies.**—Capt. Harry L. Haskell, 12th Inf., and 1st Lieut. John C. Waterman, 8th Cav., Ft. Yates, N. D., are detailed to inspect 1,900 cows and 88 bulks, to be delivered before Aug. 15 at the Standing Rock Agency, N. D.

**GENERAL COURTS-MARTIAL CASES.**

In the case of a soldier tried at Fort Reno for absence without leave, etc., the reviewing authority, Maj. Gen. Miles, says: "It appears that a member removed from consideration of the case upon a challenge by the prisoner sustained by the court, is recorded as present the following day. If actually present, it does not appear that he was duly qualified to take part in the subsequent proceedings. The record is also incorrect in that the time of the beginning of absence, a material element in the specification to the last charge, has been omitted. While it is believed these irregularities exist only in erroneous copying of the record, it is needless to remark that it would be a grave injustice to the accused to keep him under suspension during the time necessary to return this case to the court for correction of errors that never should have found place in the record of its proceedings. The proceedings, findings and sentence are disapproved."

(Correspondence of the Army and Navy Journal.)

**WEST POINT, N. Y.**

MAY 25, 1892.

The week just passed has been very quiet and uneventful. There was no cadet hop on Saturday evening owing to the recent death of Cadet Myer.

The custom of illustrating the *Honitzer*, adopted last year, has been followed in the number just issued.

A cadet reception will be given by Mrs. Bruff on Saturday afternoon, May 28 from 8 until 9 o'clock.

A hop will be given in Grant Hall in the evening.

In addition to the invitations for the Graduating Hop, of which the usual number have been issued, a separate invitation for the graduating exercises on June 11 has also been issued this year.

It is expected that the Board of Visitors will arrive on May 31. The reception for the Board by Col. Wilson will be held on June 14, immediately after review.

It is reported that the North Atlantic Squadron will visit West Point on June 4.

The Secretary of War and Mrs. Atkins, accompanied by a party of young ladies, and Gen. Schofield, accompanied by several members of his family, are among visitors expected at the post during the graduating exercises.

Mrs. Fanning and Miss Carrington have been recent guests of Mrs. Mercur; Miss Jaffray has been visiting Mrs. Babbitt; Lieut. Crocker, Ordnance, a guest of Prof. Bass, and Miss Butler, a guest of Mrs. Boughton, have been among recent visitors. Miss Brooks, sister of Lieut. Brooks, arrived at the post last week, and is visiting Lieut. and Mrs. Brooks. Mr. Craig, of Selma, Ala., father of Cadet Craig, 3d Class, paid a visit to his son recently.

**FORT LEAVENWORTH, KANSAS.**

The Kansas City Times says:

Mrs. Matthews, wife of Major Washington Matthews, M. D., of Fort Wingate, is visiting at the home of Capt. Fortescue.

The troops of the 10th Cavalry are now comfortably settled at their stations in the Dept. of Dakota. As far as comfort is concerned it is all right just now, but what will they say next winter with the thermometer about 35 below zero against 50 or 60 above at their old stations in Arizona?

Col. S. S. Sumner, 8th Cav., and family are at Old Point Comfort.

Mrs. Cruise has returned from a several weeks' visit to her sister, Mrs. Hodgson, at Fort Niobrara.

Col. Hoyt, Inspector-General, is here from Chicago to inspect the post and prison.

Lieut. Arthur Williams, quartermaster Co. V, 3d Inf., came in last evening from Fort Snelling in charge of a detachment of prisoners. Lieut. Williams was formerly stationed here and his many friends will be pleased to greet him.

Lieut. Foote, 4th Art., is here from Washington. He is the guest with Mrs. Foote of Dr. and Mrs. Brooke.

Miss Sanno, daughter of Capt. Sanno, is the guest of Mrs. Woodruff at Fort Riley.

John Pope, Reg., second son of Maj.-Gen. Pope, retired, is the guest of Capt. and Mrs. Pope. Around here John is generally known as Jack, and the old residents are glad to take him by the hand.

Lieut. J. C. Burnett, U. S. N., arrived last evening from the West and is the guest of Capt. and Mrs. Wilson, 15th Inf. He is a brother of Mrs. Wilson.

Mrs. Reynolds, wife of the late Post Chaplain Reynolds, after a brief visit with Mrs. Randall, has gone to Lincoln, Neb.

Lieut. Arthur Williams, quartermaster, 3d Inf., is the guest of Lieut. and Mrs. Shunk during his brief stay. He speaks in glowing terms of the courtesies shown him and the detachment in his charge by the officers of the Maple Leaf, over which line he came from St. Paul. Similar reports come from almost every officer and enlisted man who is so fortunate as to travel over that line.

Chaplain Bateman writes from Fort Assiniboine to a friend: "I was 35 years old May 18, and in honor of my birthday was presented by Mrs. Bateman with a spring poem in the form of a girl baby weighing 11½ pounds."

Lieut. Dodge, 14th Inf., has returned from Hannibal, Mo. He was acquitted by the courts at that point of the charges resting against him.

Speaking of the next appointment to a brigadiership a correspondent says: "The friends of Col. Carr think that the decision in his favor has already been made, and he is understood to have the support of Secretary Atkins, but the result of the recent struggle suggests that there are no certainties to be counted on."

**FORT RILEY, KAS.**

The Junction City Republican says:

Mrs. Capt. W. W. Robinson, Jr., of Jefferson Bks., Mo., is visiting with Lieut. and Mrs. Lloyd S. McCormick.

Lieut. Lloyd S. McCormick, 7th Cav., is making a fine record as a pistol shot on the range this season. It is as easy for him to make a five at 50 yards as it is at 15.

Pvt. Holmes, Hospital Corps, while at the circus last Friday in Junction City, one of the lady riders was thrown from her horse. She had hardly struck the ground before Holmes leaped from his seat, picked her up and carried her to the dressing room. Major Holt's corps is always ready for emergencies of this kind.

Major and Mrs. Myles Moylan left Tuesday for a few weeks' visit to friends in St. Paul before going to Ft. Assiniboine, Mont. Officers have gone from Fort Riley but none will be missed more than Major Moylan. The platform of the U. P. depot was packed with the officers and their ladies who came to bid the major and his worthy lady good bye.

Troops A and K and the 7th Cavalry band were stationed near the depot and when the train rolled in there was scarcely a dry eye in the vast crowd. If there ever was an officer who parted with his regiment with sincere regret that officer was Major Moylan.

**FORT ASSINIBOINE, MONT.**

High Private of recent date publishes some excellent verses on "Rameses' Ill," by Mrs. C. C. Bateman, and has these items:

Lieut. Chase drove a thieving band of Indians out into Canada one day last week.

Chaplain Bateman has been invited to fill a series of lecture engagements East, under the auspices of the Washington, D. C., Lecture Lyceum, but has not decided when he can accept.

Capt. Hamner returned from a four months' leave last week hale and hearty. The trip has evidently done him a world of good. Mrs. Hamner is still in St. Paul and will not return for some weeks.

Capt. Rodman is reported as having a delightful time with folks and friends at home.

Lieut. Edward Anderson is at Great Falls looking after his valuable properties there. There may be a lady in the leave also, but this is a mere surmise of our own and not intended for publication.

10th Cavalry officers find a hearty welcome awaiting them. Major Myles Moylan will arrive in a month. The following are on duty: Capt. C. E. Nordstrom and C. G. Ayres, Lieuts. John Bigelow, R. G. Paxton and W. S. Codd.

**SAN ANTONIO, TEX.**

The Express says:

A complimentary concert was given at the post by the 25th Infantry band in honor of the officers' ladies who recently arrived with the companies from Fort McIntosh—Mrs. Pollock, Mrs. Pendleton and Mrs. Ferguson.

Cos. A, C and D, 18th Inf., have returned to Fort Clark from their practice march to Devil's river, and Cos. B and G, under command of Capt. C. R. Paul, have left for a march.

During the absence of Col. Bailey, Major Calvin DeWitt, surg., is in charge of the medical director's office.

Col. Coppinger has issued a circular inviting the attention of officers of his command to the fact that they are required to wear their blouses buttoned.

Extensive preparations are being made for the farewell reception to be given in honor of Gen. Stanley next Friday evening, May 31, in the officers' hop room in the department headquarters building.

**FORT MCKINNEY, WYO.**

A DESPATCH from Fort McKinney says: The fire on Tuesday was most disastrous in the loss of public property and came near resulting in the death of a distinguished officer and brave soldier.

Lieut. Gatewood, 6th Cav., and a private volunteered to enter and blow up the building to arrest the progress of the fire. The powder exploded prematurely, blowing Gatewood across the room. In the face of this a private, whose name could not be learned, dashed forward to rescue Lieut. Gatewood. The latter emerged from the building as it collapsed, and both he and his intended rescuer were crushed by the falling timbers. The latter's arm was broken. Lieut. Gatewood was much burnt and his left arm badly shattered from the elbow down, but although his injuries are very severe they are not thought to be dangerous.—K. C. Times.

**FORT ONTARIO, N. Y.**

The big fire at Oswego May 20, threatened damage at one time to Fort Ontario, but Capt. A. H. Bowman, 8th Inf., had his company posted ready for fire service and any emergency, and kept his men well on the alert until all possible danger had passed.



## PERSONAL ITEMS.

MEDICAL DIRECTOR T. J. TURNER, U. S. Navy, retired, goes abroad soon, to remain for a year.

CAPTAIN J. A. HOWELL, U. S. N., sailed for France on Saturday last on the steamship *La Gascogne*.

ASST. PAYMASTER NICHOLAS H. STAVEY, U. S. N., who was retired in 1876, is living in Greenwich, Ct.

PAY INSPECTOR EDWARD BELLOW, U. S. N., resides in Walpole, N. H., where he is awaiting orders.

The present address of Lieut. H. M. Jacoby, U. S. Navy, retired, is 2121 North 13th street, Philadelphia.

LT.-COMDR. RICHARDSON CLOVER, U. S. N., registered at the Holland House, New York City, on Tuesday.

REAR ADMIRAL THOS. S. PHELPS, U. S. N., has taken up his residence in Elizabeth, N. J., his address being 701 Rahway avenue.

The address of Rear Admiral A. E. K. Benham, U. S. N., is 115 Montague street, Brooklyn, N. Y. The admiral is awaiting assignment.

NAVAL CONSTRUCTOR W. L. MINTONYE, U. S. N., has, since his retirement, spent most of his time in Brooklyn, and now lives at 537 Franklin avenue.

PAYMASTER GEORGE A. SAWYER, U. S. N., and family, will remain at Atlantic City some time en route to summer quarters at Lake George, N. Y.

MEDICAL INSPECTOR WILLIAM E. TAYLOR, U. S. N., has taken up his residence in the little town of Vallejo, Cal., but is a frequent visitor in San Francisco.

EX-ENGINEER-IN-CHIEF JAMES W. KING, U. S. N., is enjoying an extended tour on the continent. His address is in care of B. F. Stevens, 4 Trafalgar square, London.

SURGEON FRANK ANDERSON, U. S. N., continues on duty at the Naval Dispensary, Washington, and has something more than another year to serve before going to sea.

CHIEF ENGINEER E. D. ROBEY, U. S. N., is now located in the house recently occupied by Lieut. Chauncey Thomas, U. S. N., 1619 13th street, N. W., Washington, D. C.

GRAPHIC accounts have been received from the officers of the *Concord* concerning the hospitality bestowed upon them during their novel cruise up the Mississippi River.

The steamer *Colon*, from Colon, which arrived at New York May 20, brought among the passengers Lieut. L. C. Heilner, Ensign C. S. Stanworth, Boatswain J. Castello and 81 seamen from the U. S. S. *Pensacola*.

2D LIEUTENANT THEODORE P. KANE, U. S. M. C., commanding the marine guard of the U. S. S. *Adams* during her cruise in Bering Sea, is a son of Capt. T. F. Kane, U. S. N., now captain of the Navy-yard, New York.

DURING the past week Chief Engr. Elijah Laws, U. S. N., was in Washington on business connected with his future duty. It will be remembered that Chief Engr. Laws recently returned from the Pacific in the U. S. S. *Pensacola*.

CHAPLAIN R. R. HOES, U. S. N., at a recent meeting of the Hawaiian Historical Society of Honolulu, read an interesting paper on the objects of the society, and has been requested to assist in furthering the work of the organization.

CHIEF ENGINEER JOHN L. HANNUM, U. S. N., has completed his examination for promotion and begins a tour of duty on the U. S. receiving ship *Franklin*, at Norfolk, at once. Chief Engineer Hannum has just completed a three years' tour of duty in the Pacific.

SURGEON THOMAS HILAND, U. S. N., resides at Concord, N. H. Mrs. Hiland is a sister of the late H. H. Gorrings, Commander, U. S. Navy, through whose skill and ingenuity the Egyptian obelisk in Central Park was brought from its resting place on the Nile.

We learn that Mrs. C. A. Clarke, wife of Lieut. Clarke, U. S. N., is quite ill again with a return of the trouble from which she suffered so severely while in Honolulu. Following the detachment of Lieut. Clarke from the *Iroquois* they have gone to southern California.

COMMANDER JOSHUA BISHOP, U. S. N., has recovered from a severe attack of the grip, and is busily engaged in the duty of completing the new Naval Observatory. Comdr. Bishop occupies a fine residence, 1425 New Hampshire avenue, in close proximity to Du Pont circle.

ASSISTANT PAYMASTER MADISON R. CALVERT has tendered his resignation, which will be accepted, to take effect during the coming month. Naval Cadet C. T. Vogelgesang, a member of this year's graduating class, is a candidate for the vacancy, and it is believed will receive the appointment.

The excellent state of discipline and efficiency shown by the marine guards on the ships composing the Bering Sea squadron is due to the persistent efforts of Capt. H. C. Cochrane, U. S. M. C., at the Mare Island Barracks, in putting into proper shape the raw material enlisted on the Pacific Coast.

We learn that Mrs. Belknap, wife of Rear Admiral Geo. E. Belknap, U. S. N., accompanied by their invalid son, will soon leave San Francisco for Boston, where it is their intention to reside during the Admiral's tour of duty as president of the Board of Inspection. Much anxiety is felt for the health of their son, who has been steadily declining in strength for several months past.

NAVAL CADET JOSEPH CORLENTZ GROFF, of Maryland, of the second class, Naval Academy, was dismissed from the institution May 11. Groff's name was recently accidentally read out as being on the liberty list. The orderly was sent to inform him of the error. Notwithstanding this Cadet Groff went on liberty. He denied that the orderly had informed him of the error, but it was proved that the orderly gave the information.

LIEUTENANT COMMANDER W. W. REISINGER has been compelled on account of ill health to give up the trying work of detail officer in the Bureau of Navigation, and is now engaged with Commander Thomas in the preparation of the new naval signal book. Lieut. J. A. Dougherty is performing the duties of the important desk he vacated, but rumor has it that he may also soon be relieved to accept command of the torpedo boat *Cushing*, for which service he is admirably fitted.

The official visit of Capt. Gustave Thewalt and Lieut. Arthur Schimrikoff, of the Austrian schoolship *Aurora* to Commo. Henry Erben, U. S. N., on Wednesday, was returned by the commodore, in company with his aide, Lieut. C. F. Norrison, on Friday of last week. During the afternoon 15 naval cadets of the *Aurora* visited the yard. They were shown the monitors *Miantonomoh*, *Terror* and *Puritan* and the various workshops. Lieut. E. S. Prime, of the *Connecticut*, and other officers escorted the visitors and explained to them all objects of interest.

ALL indications at the present time point to the selection of Lieut. Samuel C. Lemly as the next Judge-Advocate General of the Navy. As previously intimated, the condition of Col. Wm. B. Remy's health is such as to preclude all possibility of his reappointment. The fact that Lieut. Lemly is thoroughly familiar with the duties of the office and is now in charge, as he has been several times in the past, coupled with his connection with all the chief courts-martial and courts of inquiry of recent years and the strong endorsements that are being submitted in his behalf by persons most prominent in administration and Congressional circles, make him a most formidable candidate. His principal rival is Lieut. Alex. McCracken, of the *Miantonomoh*, who has considerable Congressional backing.

CAPTAIN S. H. LINCOLN, 10th U. S. Infantry, is visiting relatives in Washington, D. C.

LIEUTENANT SEBREE SMITH, 2d U. S. Art., left Ft. Adams, R. I., this week on a short leave.

MAJOR J. G. RAMSAY, 2d U. S. Art., assumed command of Fort McHenry, Md., on Tuesday.

COLONEL M. V. SHERIDAN, U. S. A., returned to Omaha, Neb., this week from a trip to Fort Riley.

CAPTAIN H. S. HOWE, U. S. A., retired, and Mrs. Howe are located at 103 West 44th street, New York City.

MAJOR LOYD WHEATON, 20th U. S. Infantry, has left Camp Poplar River, Montana, on a month's leave.

COLONEL J. C. BATES, 2d U. S. Inf., will spend June and July on leave before settling down at Fort Omaha.

ADJUTANT W. H. SMITH, 10th U. S. Cavalry, has taken charge of recruiting matters at Fort Custer, Montana.

CAPTAIN S. P. JOCELYN, 21st U. S. Inf., a recent arrival at Ft. Porter, visited friends at Ft. Niagara this week.

GENERAL FRANK WHEATON, U. S. A., and Lieut. Mallory, A. D. C., are expected in San Antonio early next week.

CAPTAIN R. L. ROBERTSON, assistant surgeon, U. S. Army, returned to Fort Niagara, N. Y., this week, from a short leave.

LIEUTENANT A. W. BREWSTER, 9th U. S. Infantry, left Sackett's Harbor, N. Y., on Monday of this week, on a short leave.

LIEUTENANT C. P. ELLIOTT, 4th U. S. Cavalry, who has been visiting at Beaufort, S. C., has had his sick leave extended six months.

MAJOR-GENERAL JOHN M. SCHOFIELD, U. S. A., will, it is expected, attend the New Hampshire soldiers' reunion at Weirs this summer.

MAJOR WALLACE F. RANDOLPH, 3d U. S. Artillery, expects to leave New York next week for his new post of duty, Fort Riley, Kansas.

LIEUTENANT E. E. HARDIN, 7th U. S. Infantry, who is visiting at West New Brighton, N. Y., has had his leave extended three months.

COLONEL J. C. BAILY, U. S. A., medical director of the Department of Texas, and Mrs. Baily, are en route from San Antonio to New York.

CAPTAIN ROGERS BIRNIE, U. S. A., visited in Philadelphia and at Frankford Arsenal this week and afterwards returned to Washington, D. C.

CAPTAIN A. C. TAYLOR, 2d U. S. Artillery, was expected at Gardiner, Me., this week, to establish a regimental recruiting rendezvous in that place.

CAPTAIN E. S. DUDLEY, U. S. A., recently called East by the death of his son, will prolong his stay a few weeks longer and then return to Los Angeles.

CAPTAIN LEWIS SMITH, 3d U. S. Art., was expected to leave Washington, D. C., this week for Griffin, Ga., for a tour of duty at the State encampment there.

LIEUTENANT W. P. STONE, 4th U. S. Art., arrived at Key West Bks., Fla., this week, to superintend certain improvements and repairs to be made to that post to fit it for a garrison.

GENERAL W. S. ROSECRANS, U. S. A., President of the Society of the Army of the Cumberland, is sanguine of a large attendance at the annual reunion at Chickamauga Sept. 15 and 16 next.

CAPTAIN J. J. O'CONNELL, 1st U. S. Inf., who is going abroad, has relinquished charge of the recruiting service at Benicia Barracks, Cal., to Lieut. George W. Kirkman, same regiment.

LIEUTENANT E. E. HARDIN, 7th U. S. Inf., who has been spending a leave at West Brighton, N. Y., is expected at the State Camp at Peekskill, N. Y., early next week for a tour of duty there.

FOOT SUPPLY is already making preparations for the marriage there on Wednesday next of Miss Edith May Auman, daughter of Capt. William Auman, 13th U. S. Inf., to Lieut. E. B. Winans, Jr., 5th U. S. Cav.

LIEUTENANT C. H. BONESTEEL, 21st U. S. Infantry, and family, are now at the Presidio of San Francisco.

LIEUTENANT W. R. HAMILTON, 5th U. S. Art., East from the Pacific coast, has had his leave extended until Aug. 31 next.

LIEUTENANT C. L. CORNELL, 4th U. S. Artillery, rejoined at Fort Adams, R. I., early in the week, from a short leave.

MAJOR J. B. KIMBALL, Surgeon, U. S. A., who is still abroad on his wedding tour, has had his leave extended six months.

COLONEL DALLAS BACHE, Medical Director on the staff of Gen. Brooke, has left Omaha on an extended tour of inspection.

LIEUTENANT G. H. MACDONALD, 1st U. S. Cav., A. D. C. on the staff of Maj. Gen. Howard, visited friends in Washington this week.

LIEUTENANT C. C. GALLUP, 5th U. S. Art., will leave Alcatraz Island, Cal., in a few days for the East, to spend until Aug. 31 next on leave.

CAPTAIN ALFRED HEDBERG, 15th U. S. Inf., was expected in New York City this week to report to Col. Otis for duty on the recruiting service.

LIEUTENANT CHARLES DE L. HINE, 6th U. S. Infantry, of Newport Bks., has passed his examination to the senior class of the Cincinnati Law School.

MAJOR G. B. RUSSELL, 5th U. S. Inf., lately visiting in Massachusetts, was expected to assume command this week of the post of Mt. Vernon Barracks, Alabama.

MAJOR-GENERAL O. O. HOWARD, U. S. A., will deliver the oration at the Memorial Day exercises at Fall River, Mass., by the combined G. A. R. posts of that city.

LIEUTENANT CARL REICHMAN, 9th U. S. Infantry, was expected to rejoin at Madison Barracks, Sackett's Harbor, the latter part of this week, from a short leave.

LIEUTENANT-COLONEL EVAN MILES, 20th U. S. Infantry, has been assigned by Gen. Ruger to duty at Fort Assiniboine, Montana. He is at present on a few weeks' leave.

MAJOR JAMES MONTGOMERY BELL, U. S. A., now stationed at Fort Myer, has been transferred from the Minnesota to the District of Columbia Commandery of the Loyal Legion.

CAPTAIN FREDERICK FUGER and Lieuts. W. S. Alexander, C. L. Phillips and T. B. Lamoreux, 4th U. S. Artillery, are recent additions to the commissioned roster of Fort McPherson, Atlanta, Ga.

LIEUTENANT W. A. HOLBROOK, 7th U. S. Cavalry, who is soon to bid good-bye to San Antonio, will spend until the latter part of August and then join at the Military Academy, West Point, for duty.

LIEUTENANT LEVERETT H. WALKER, 4th U. S. Artillery, was expected to arrive at Fort Barrancas, Fla., this week, to assume command of the post and of the detachment of artillery troops to be stationed there.

CAPTAIN HENRY S. TURRILL, assistant surgeon, U. S. A., will leave Sackett's Harbor early next week for West Point for temporary duty as member of a Medical Board to make a physical examination of the cadets of the graduating class.

COLONEL CHAS. MARSHALL, who served on Gen. Robt. E. Lee's staff during the war, has been invited by the U. S. Grant Post, G. A. R., of Brooklyn, to deliver an oration at the Memorial Day exercises at Gen. Grant's tomb on Monday next. Col. Marshall has accepted.

OLD POINT COMFORT, always a gay place, will be additionally enlivened during the months of June, July and August, by the presence of the officers of the foot batteries of the 3d U. S. Artillery at Washington Barracks and Fort McHenry, sent there with the troops to engage in the annual heavy artillery practice.

THE *Sante Fe New Mexican* says: "Miss Grace E. Hungerford, a pretty and bright young lady, is visiting Gen. and Mrs. Bartlett; Miss Hungerford comes from Fort Bliss, where she has spent the past winter on a visit to her sister, the wife of Lt. Dyer, 23d Inf. Miss Hungerford will remain some time before going home to Omaha."

PRIVATE CROW NECKLACE (Kaugl Napi) was recently before a General Court-martial at Ft. Yates for threatening to shoot Corp. Ankle (Iskahula). Necklace seems, in a conversation with Ankle, to have made the pointed remark: that when he had occasion to talk plainly to a man, he was careful to see that his gun was ready. He was acquitted owing to just provocation.

THE Senate has passed a bill granting a pension of \$20 a month to George W. Jones, of Iowa, formerly a distinguished senator from that State. The services for which the pension is granted were rendered, first, as a drummer boy in the campaign of 1814, and afterwards as an aide-de-camp to Gen. H. Dodge in the Black Hawk War. He is now 88 years of age, and is in greatly reduced circumstances.

THE *St. Louis Republican*, in an article on the wives and daughters of the officers of the U. S. Army, says: "They are jolly, forgiving, can adapt themselves to every circumstance, and they are the most motherly women in the world when they become the wives of colonels, looking after urethras from West Point as if they were the apples of their eye—especially if they have daughters of a marriageable age."

ON June 2, at noon, at South Oyster Bay, L. I., will occur the wedding of Miss Louise Floyd-Jones and Capt. Bernardston. Capt. Bernardston is of Suffolk, Eng., a captain of the regiment called "The Duke of Cambridge's Own." At present he is aide-de-camp to Gen. Newdigate, Governor-General of Bermuda. Miss Floyd-Jones is the daughter of David R. Floyd-Jones. There will be a large reception at the Floyd-Jones residence, Fort Neck House, Massapequa, L. I.



CAPTAIN R. F. BATES, U. S. A., and Mrs. Bates, of Fort Clark, Texas, are spending a few weeks in the North.

Mrs. LA TOURETTE and Mrs. Collins, recently guests of Capt. and Mrs. Cavanaugh, Fort Supply, Ind. Ty., have established their home at Topeka, Kansas, their address being 525 Tyler street.

LIEUTENANT CHARLES D. PALMER, 4th U. S. Artillery, arrived at Griffin, Ga., early in the week, for duty with Field's battery of the 4th U. S. Artillery during its tour of duty at the State Camp.

LIEUTENANT B. W. ATKINSON, 6th U. S. Infantry, will leave Fort Thomas, Ky., this week, for Burlington, Vt., to report to the Adjutant-General of the State for duty with the Vermont troops during June.

GARZA is now said to be at Key West, Fla., going under the name of "Julius Ferrol Betancourt," and to be collecting funds of a new revolutionary movement among Cuban patriots. The story sounds rather fishy.

LIEUTENANT J. B. BELLINGER, 5th U. S. Cavalry, and his bride, arrived at West Point from their wedding tour, but expect to go West in June, the lieutenant's tour of duty at the Military Academy having nearly expired.

MAJOR-GENERAL O. O. HOWARD, U. S. A., will, it is hoped, be able to attend the ceremonies at Lenox, Mass., on Monday next, over the remains of Gen. Patterson, of the Revolutionary Army, to which we have heretofore referred.

ADJUTANT S. E. SPARROW, of Fort Niagara, and Lieut. E. L. Butts, of Fort Porter, have been appointed the regimental recruiting officers for portion of the 21st U. S. Infantry, recently arrived in the Department of the East.

LIEUTENANT P. P. POWELL, 9th U. S. Cavalry, an experienced officer of nearly 17 years service, has been selected for duty as professor of military science and tactics at the Peekskill Military Academy to commence June 30. Lieut. Powell is at Fort Robinson, Neb.

At the special request of the Empress of Germany, the Princess Frederick Karl, aunt of the Emperor, has accepted the presidency of the women's commission, which will co-operate with the Board of Lady Managers in promoting the women's exhibit at the World's Fair, Chicago.

LIEUTENANT J. L. HAYDEN, 1st U. S. Artillery, bids goodbye to friends at Fort Sheridan, Ill., to enter upon a tour of duty at the University of Washington, at Seattle. This will be a pleasant detail, as he was appointed to the Military Academy in 1884 from the State of Washington.

Mr. WM. G. HAMILTON, of New York, and Col. Gillespie, Corps of Engineers, U. S. A., two of the executors of the will of the late Gen. Geo. W. Cullum, U. S. A., called upon the President and the Secretary of War, with Gen. Schofield, on Tuesday, and formally tendered to the Government the bequest left by Gen. Cullum of the sum of \$250,000, to erect a memorial hall at West Point under the provisions of his will. A special message has been sent to Congress on this subject.

The post school at Fort Assiniboine is superintended by Chaplain C. C. Bateman, U. S. A., a man not only admirably adapted to this particular duty, but who takes the greatest interest in it. So well has he succeeded in his work that his department commander, after receiving the chaplain's report and several specimens of school work by enlisted men, congratulated him in an official communication and commends his praiseworthy zeal, attended as it is by such admirable results.—K. C. Times.

CAPTAIN C. C. CUSICK, U. S. A., made a fine address before the Seneca Nation Council on Friday in the interest of an independent exhibit by the Six Nations of New York Indians at the World's Columbian Exposition. The advantages which such an exhibit would bring to the descendants of the great Iroquois league were strongly portrayed by Capt. Cusick, and considerable interest was manifested by the Council in the matter. The proposed exhibit would be an attractive feature at the World's Fair, and it is to be hoped that the effort to secure it will succeed.

MAJOR DE WITT C. POOLE, paymaster, U. S. A., has just completed his first payment of the troops in Florida. The major was not only gladly welcomed by the soldiers and their friends, but by the Times-Union correspondent, who met with one of the three company commanders (including himself), who 21 years ago, while on the Whistler Yellowstone River Expedition, escorting Gen. Rosser's Northern Pacific Railway Surveying Corps from the Missouri River to anywhere in that famous and then almost unknown country, volunteered to protect Rosser in his determination to find the river or freeze in the valley of what is now the prosperous Glendive. The major's hair is getting "prematurely" gray like his chum's.—Florida Times-Union.

The Burlington Free Press, referring to the recent promotion to major of Capt. Emerson H. Lisum, 19th U. S. Infantry, says: "Major Lisum is a Burlington boy, and one who has made his own way in life. His promotion to the rank of field officer in the U. S. Army is hailed with delight by his townsmen and Vermonters throughout the State and country. Major Lisum is a man who has seen the hardest kind of service during the War of the Rebellion. He was twice wounded, and once so severely that his life was despaired of for a long time. He married Miss Mary Devin, daughter of Gen. Alexander Devin, of Elmira, N. Y., who has a large circle of acquaintances in this city, all of whom remember her charming ways with much pleasure. Both Major and Mrs. Lisum will receive the sincere congratulations of all."

COLONEL ANSON G. MULLA, 4th U. S. Cavalry, commanding at Ft. Walla Walla, is the recipient of a letter from the Mayor of Walla Walla in which the latter says: "I desire to tender you the earnest thanks of the citizens of Walla Walla and myself, for the kindness of yourself and command, in making the dress parade of May 12, for the benefit of our visitors, whose entertainment and pleasure was greatly heightened by your cordial co-operation with us,

Many expressions of gratification and admiration were heard from our guests, and the fine soldierly appearance of the officers and men of the 4th Cavalry was commended on all sides. The display of your command on this occasion and the pleasing music rendered by your band was a treat which was greatly appreciated by all, and which we hope will result in continuing that friendliness of feeling so much desired on the part of both citizens and soldiers."

THE Burlington Free Press, referring to the detail of Lieut. B. W. Atkinson, 6th U. S. Infantry, for duty with Vermont troops, says: "He can well claim relationship with Vermont. His grandfather, Benjamin Walker, was born at Clarendon, and when only 16 years of age was engaged in the battle at the mouth of Otter Creek during the War of 1812-15. In 1817 he was sent from his native town to West Point, graduating from that institution in 1819. He spent his life in the U. S. service, and was major and paymaster at the time of his death. Lieut. Atkinson's grandfather, on his father's side, was the late Brig.-Gen. Henry Atkinson, colonel, 6th U. S. Infantry, and was the hero of the Black Hawk War in 1832. The stepfather of Lieutenant Atkinson is Gen. Horatio G. Gibson, retired. The members of the Vermont National Guard remember with much pleasure the pleasant acquaintance formed with Lieut. Atkinson at the officers' school in Bradford during February last, and are glad the Secretary of War has detailed him to assist in the inspection of the various companies in June next."

#### NAVIES OF THE WORLD.

A STATEMENT recently compiled at the Navy Department from the latest official sources presents a list of fighting vessels belonging to the various naval powers as follows:

Europe: Austria—Armored, 13; unarmored, 31. Denmark—Armored, 12; unarmored, 12. France—Armored, 75; unarmored, 118. Germany—Armored, 34; unarmored, 59. Great Britain—Armored, 82; unarmored, 220. Greece—Armored, 5; unarmored, 16. Italy—Armored, 22; unarmored, 54. Netherlands—Armored, 25; unarmored, 35. Norway—Armored, 5; unarmored, 6. Portugal—Armored, 1; unarmored, 29. Roumania—Unarmored, 9. Russia—Armored, 48; unarmored, 62. Spain—Armored, 13; unarmored, 50. Sweden—Armored, 17; unarmored, 14. Turkey—Armored, 18; unarmored, 20. United States—Armored, 23; unarmored, 40. Other American Countries: Argentine Republic—Armored, 3; unarmored, 7. Brazil—Armored, 2; unarmored, 9. Chili—Armored, 4; unarmored, 10. Hayti—Unarmored, 5. Mexico—Unarmored, 10. Peru—Unarmored, 10. Uruguay—Unarmored, 3. Venezuela—Unarmored, 1. Asia: China—Armored, 6; unarmored, 12. Japan—Armored, 7; unarmored, 35. Persia—Unarmored, 7. Sarawah—Unarmored, 3. Siam—Unarmored, 7. Africa: Egypt—Unarmored, 3. We add this comparison taken from the London Engineer between the most recent battleships and cruisers of the United States and Great Britain:

Particulars.	ARMORED.		
	Indiana, Massachusetts and Oregon.	Centurion and Barfleur.	New York or (Number 21).
Class or designation	Coast-line battleships.	Second-class battleships.	Armored cruiser.
Displacement, tons.	10,238.	10,500.	8,150.
Indicated horse power, maximum	9,000 12.	13,000.	16,500.
Length.....	348 ft.	360 ft.	380 ft. 6 in.
Beam.....	69 ft. 8 in.	70 ft.	84 ft. 10 in.
Draught.....	24 ft.	25 ft. 6 in.	25 ft. 3 in.
Speed, knots.....	Max. 16 1/2.	Max. 18.	Max. 20.
Coal capacity, tons	1,800.	750.	1,500.
Endurance, at 10 knots per hour....	16,000*.	or 1,125 or 9,750.	13,500*.
Side armor, belt....	18 in.	12 in.	5 in.
Armor of upper works.....	6 in.	4 in.	—
Protective deck....	3 in. and 2 1/2 in.	2 1/2 in.	6, 8 and 2 1/2 in.
Cost.....	\$204,000.	\$207,748.	\$297,030.
Armament, guns (all are fitted with torpedo tubes).....	4 9 in. B.L.R. 8 in. " 4 in. " 26 light.	4 10 in. B.L.R. 10 4 in. Q. F. 20 light.	6 9 in. B.L.R. 6 4 in. " 16 light.

Particulars.	UNARMORED.		
	Royal Arthur.	Nos. 12, 13 "Commerce destroyers."	Biske and Blenheim.
Class or designation	1st class protected cruisers.	Protected cruisers.	1st class protected cruisers.
Displacement, tons.	7,700.	7,475.	9,000.
Indicated horse power, maximum	12,000.	21,000.	30,000.
Length.....	360 ft.	412 ft.	375 ft.
Beam.....	60 ft.	65 ft.	65 ft.
Draught.....	13 ft. 9 in.	23 ft.	25 ft. 9 in.
Speed, knots.....	19 1/2.	22.	22.
Coal capacity, tons	850.	Sea speed 21.	Sea speed 20.
Endurance, at 10 knots per hour....	10,000*.	26,240*.	15,000*.
Side armor, belt....	none.	none.	none.
Armor of upper works.....	none.	none.	none.
Protective deck....	5 in. and 3 in.	4 in. and 2 1/2 in.	6 in. and 3 in.
Cost.....	\$277,230.	\$345,000.	\$433,755.
Armament, guns (all are fitted with torpedo tubes).....	12 in. B.L.R. 12 in. Q. F. 26 light.	8 in. B.L.R. 2 6 in. " 24 light.	10 in. B.L.R. 10 in. " 24 light.

\*Knots query. \*Maximum thickness on slopes of deck.

(Correspondence of the Army and Navy Journal.)

#### DEPARTMENT OF THE PLATTE.

THE recent action of the President in decorating Col. Frank Wheaton, 2d Inf., with the "Star," so gracefully and creditably worn by Gen. Kautz, has met with a hearty "Amen" from the many officers cognizant of the sterling worth of the honored recipient.

The services of Gen. Wheaton having been rewarded, would it not be a graceful recognition of long, faithful and gallant service, should the President select either Gen. Carr or Forsyth to fill the vacancy which the retirement of Gen. Stanley will create? The distinguished service of these two veterans has already reflected lustre upon our national

arms, and the appointment of either to fill the prospective vacancy could not be regarded other than in the light of well merited promotion.

With reference to the prospective vacancies in the Adjutant General's Department, consequent upon the retirement of Gen. Kelton next month, well authenticated reports afford substantial reasons to conclude that Chaplain John S. Loud, 9th Cav., will be one of the favored appointees. To these familiar with the operations of the 9th Cavalry during the Sioux troubles of '90 and '91, Capt. Loud will be remembered, especially in connection with his gallant defence of the 9th Cavalry wagon train, preserving the same from annihilation by a stubborn resistance to the attack of an overpowering number of "ghost shirt fanatics."

From an experience exceeding ten years as adjutant of his regiment, and several years as Assistant Adjutant General of the District of New Mexico, during the exciting scenes of Indian warfare in that territory a few years since, Capt. Loud is recognized as eminently qualified to acceptably fill a position in the Adjutant General's Department, and his many friends are not without the hope that he may secure such an honor. "CAVALRY."

#### BURIED UNDER A GREAT WAVE.

THE N. Y. Times revives this story told by the late Gen. Joseph W. Revere, who at the time of the occurrence was a lieutenant in the Navy and officer of the deck aboard the corvette while she was on a cruise in the West Indies.

One day in the forties, when among the Windward Islands, running along free under all sail, before the regular trade wind of the tropics, the lookout at the foremast head suddenly called out, "Breakers ahead!" Although the reckoning showed that the ship was several hundred miles from land, sail was immediately shortened, while the captain, officers and crew, startled by the cry, came running on deck.

The ship headed westerly with the wind, which had died almost to a calm, on the starboard quarter. On the lee beam the ocean seemed much agitated, and soon a huge "comber" appeared, extending to the horizon on either end, and apparently over 30 feet in height above the sea level. All hands were sent to their stations, and the ship was brought by the wind on the port tack, while carpenters battened down the hatches fore and aft.

As the ship came by the wind it suddenly fell calm; but she now headed the great wave, which rushed onward with a terrific roar and irresistible momentum. It struck her, and her bows were raised high in the air, almost bringing her deck perpendicular and throwing every man off his feet who had not secured himself to some part of the vessel in anticipation of the shock.

The St. Louis is the only one remaining of the class known as deep-waisted sloops of war. She had heavy bulwarks fully seven feet from the deck to the rail of the hammock nettings—of all vessels the last to be boarded by a heavy sea. Fortunately, the gun ports were not closed, and this proved her salvation. For about two minutes it seemed almost that number of hours—the ship, her crew, and everything about the deck were completely submerged.

At the station of the officer of the deck, on the poop, the good ship was felt to tremble through her timbers under the weight of waters on her deck, and he clung with all his might to the mizzen rigging, to which he had lashed himself, to prevent being washed away. Everybody about the deck had fortunately obeyed orders and followed his example, there being just about time to do this before they were struck.

The vessel then came up slowly to the surface, the water pouring from her portholes in torrents, while the great wave, or bore, was seen and heard far beyond her, steadily moving with great velocity on its mysterious course. Three other waves followed the first, but greatly diminished in size and volume; then the surface of the ocean resumed its natural appearance, and the trade winds again set in.

The ship sustained little harm, and, although a few men were badly bruised, there was no serious damage to life or limb. A great many articles were washed overboard, however, and for months after everything lost was laid to the great sea bore.

Had this disaster occurred at night or had the ship received the shock anywhere but on her bows, it was generally agreed that she must have gone down, and without leaving a soul to tell the tale of how or when she disappeared, as has happened to many others—the *Hornet* and *Albany*, for example, whose fate remains a mystery to this day.

#### HORSES FOR THE WEST POINT CADETS.

To the Editor of the Army and Navy Journal:

AS THE leading journal upon military and naval matters in this country, I respectfully beg to call your attention to the character of horses supplied by the Government for the use of the cadets at West Point, in the hope that your paper, which reaches all who are interested in military affairs in this country, may bring about an improvement. At a visit I made to the post not very long ago, I was greatly surprised to see what an indifferent lot of horses of all colors, shapes and sizes were in use there. I was informed that the authorities of the academy had endeavored to secure better horses, but that those who controlled the matter seemed to be indifferent to their wishes. I subsequently learned from the report made by the Board of Visitors to West Point, that Capt. Dorst, the chief instructor in cavalry, had made a very strong appeal for better horses, and showed the disadvantages of using the same horses for the artillery and cavalry service, which practically resulted in making the horses inefficient and dangerous for both, one of the cadets getting a leg broken in consequence. As the future officers of the Army they are entitled to have them, and when military men from other countries visit our crack military school, they should not only see as fine a lot of young fellows as ever mounted a horse, but they should also see as fine a lot of horses as any cavalry regiment in Europe can boast of, horses fit to bear a prince of the realm, a sovereign citizen of the United States and the future generals of our armies. J. F. P.



## OUR NEW NAVY VESSELS.

THE reports of the inspectors show that about 75 per cent. of the work on the hull and fittings of the *Maine* has been completed, the side armors received, and the machinery will be ready for dock trial about Aug. 1. The *Texas* can be launched in July if desired. About 65 per cent. of the hull and fittings is completed, and the machinery, except the boiler and shafting, is practically complete in the shops. It is expected that the *New York* will be ready for trial in October or November. Eighty per cent. of the hull work is done, and the engines, boilers and auxiliary machinery are complete in the shops.

The condition of the *Monterey* is stated elsewhere. The engines of the vessel have been under steam, and are ready for trial.

The new work on the hull of the *Monadnock* is about one-half done, and the engines are being set up in the shop. The hulls of the *Indiana* and *Masachusetts* are nearly complete to armor deck, a beginning has been made on the main boilers, and the auxiliary boilers are nearly finished. The framing of the *Oregon* is complete to armor shelf, and work is progressing on the engines and auxiliaries. None of the large steel forgings have been received. The hull framing of *Cruiser No. 6* is complete to the protective deck and partly complete above. The main engines are complete, except work on the shafting, etc. The main boilers, condensers, pumps, valves, blowers and turning engines and one auxiliary engine are finished.

Work on the hull and fittings of the *Raleigh* are rapidly approaching completion. The *Cincinnati* is expected to be ready for launching in July, and work is well advanced on the engines and auxiliaries. The boilers are about one-half done. Hull work on the *Detroit* (*Cruiser No. 10*) is nearly completed and the machinery well advanced and will be ready for trial about the middle of August. The boilers, main engines and shafting are in place. The present indications are that the *Montgomery* (*Cruiser No. 9*) can be tried in October. *Cruiser No. 11* is nearly ready for launching and *Cruiser No. 12* will be ready in June. The work on *Cruiser No. 13* may be said to be about one-third advanced towards completion. The hull work on the *Machias* (gunboat No. 5) is rapidly approaching completion and the machinery is well advanced. She will probably be ready for trial in July. The machinery of the *Castine* (gunboat No. 6) is in about the same state. One boiler is almost complete and the other is being rivetted. It is expected that she will be ready for trial in September. It is expected that the *Bancroft* will be ready for trial in July or August. It is intended to launch the Harbor Defence Ram the latter part of July.

(Correspondence of the Army and Navy Journal.)

## U. S. NAVAL ACADEMY.

ANNAPOLIS, Md., May 22, 1892.

THE following details of officers to remain at the Academy, with the 2d Class, during the summer months, have been announced: First detail, June 4 to July 17, Lieuts. Bartlett, Irwin, Moore, Cutler, Sharp and Dodge, Ensigns Dreesel, and P. A. Engrs. Barton and Denix; second detail, July 18 to Aug. 22, Lieuts. Clason, Hoper, Galt, Underwood, Bowyer, George, Gore and Hood; P. A. Engrs. Schell and Gow; third detail, Aug. 23 to Sept. 30, Lieuts. Cresson, Halsey, Nicolson, Hodgson, Fullam, Huse and Gibbons, Ensigns Williams and Hill, Asst. Engr. Sampson.

A very handsome blue silk banner, with heavy gold fringe and tassels, has been put in place in the mess hall, on which is to be inscribed each year the winning class in the inter-class football contest. The top is a gold football, with the words "skill," "courage," "perseverance," and "endurance" surrounding it.

The Misses Murray have issued invitations for a dance at their residence, "Acton," to be given on Tuesday, May 31. Chaplain Clark will preach his annual sermon to the graduating class on Sunday next.

Friday afternoon, in lieu of the usual recitation in Ordnance and Gunnery, Lieut. Ingersoll, the head of Department, gave the 1st Class a very instructive and interesting lecture on their duties during the coming cruise.

Miss Moses, of St. Louis, is staying with Mrs. Lieut. Galt. The resignation of Cadet E. P. Doane, 4th Class, has been accepted.

Miss Lahen, of New York, and Miss Dennis, of Washington, are visiting Mrs. Chester. Miss Casey, of Washington, is the guest of Mrs. Sharp; Miss Wickes, of Baltimore, is with the Misses Reeder on the *Santee*; Miss Miller is visiting her sister, Mrs. Ensign Williams.

A very good representation of "Mrs. Jarley's wax works" was given at St. John's College on Monday and Tuesday nights, several people from the Naval Academy taking part.

The following young men have passed both their mental and physical examinations for admission as naval cadets: J. H. Holden, 1st Yr.; M. St. C. Ellis, 5th Ark.; W. C. Cluverius, 2d La.; S. H. McMullen, 4th Ind.; G. S. Lincoln, 3d Mo.; R. G. McConnell, 25th Pa.; J. D. Terry, 6th Va.; R. H. Deane, 6th N. Y.; J. J. Bryant, 4th Ill.; J. E. Walker, 2d Ind.; J. G. Ward, 10th Tex.; M. H. Olsen, 3d Wis., and J. Reynolds, 10th Iowa.

During the week beginning May 30 the following programme of exercises will be carried out:

Monday, 10.45 A. M.—Reception of the Board of Visitors. 5 P. M.—Steam tactics, 1st and 2d Classes; boats under oars, 3d and 4th Classes.

Tuesday, 9 A. M.—Seamanship, *Enterprise*. 11.30 A. M.—Steam drill. 4 P. M.—Battalion infantry.

Wednesday, 9 A. M.—Target practice, *Enterprise*. 2.30 P. M.—Presentation of books from "the Army and Navy Auxiliary of the Ladies' Aid Society," to the graduating class. 4 P. M.—Battalion of artillery. 6 P. M.—Dress parade; presentation of the medal to Cadet Russell, 1st Class, for the highest score in great gun target practice.

Thursday, 10 A. M.—Competitive company drill and presentation of flag. 3.30 P. M.—Fencing, bayonet; setting up and cane drills in gymnasium. 6.30 P. M.—Dress parade.

Friday, 10.30 A. M.—Graduating ceremonies.

Senator Dolph has been appointed a member of the Board of Visitors to the Naval Academy in place of Senator Stockbridge, whose business engagements prevented him from accepting the appointment.

## PATENTS FOR MILITARY INVENTIONS.

A selected list of patents reported especially for the ARMY AND NAVY JOURNAL, by Glascock and Co., Patent Attorneys, Washington, D. C., all bearing date May 24, 1892:

James Savage, Canarsie, N. Y., steering mechanism for boats.

Wm. H. Driess, U. S. Navy, breechloading ordnance.

Charles W. Unger, Salt Lake City, Utah, gun-rest.

The Chilean Minister of the Navy has accepted, on behalf of Captain Jansen, of the transport *Huacoi*, a gold watch and chain, presented by the United States for the rescue of the Dickinson family from the burning ship *Rappahannock* in November last.

## THE NAVY

BENJAMIN F. TRACY, Secretary of the Navy

JAMES R. SOLEY, Assistant Secretary of the Navy.

## NAVAL VESSELS IN COMMISSION.

WHEN AND WHERE LAST HEARD FROM.

N. Atl. Station.—R. Adml. Bancroft Gherardi.

Address Key West, Fla., until further notice.

PHILADELPHIA, 3d rate, 13 guns flagship, Capt. Frederick Rodgers. Arrived at Annapolis May 23.

CONCORD, 3d rate, 6 guns. Commander Edwin White. At Cairo, Ill.

KEARSARGE, 3d rate, 7 guns. Comdr. A. S. Crowninshield. Same as Philadelphia.

MIANTONOMO, monitor, 3d rate, 4 guns, Captain Montgomery Seward, comdg.

While en route to Annapolis reported to have put into Delaware Bay owing to leaks around her turbines. Necessary repairs were made and she sailed for Annapolis May 26.

VEVUSIV, 4th rate, 8 guns, dynamite cruiser, Lt. Seaton Schroeder, comdg. At Charleston, S. C., May 20, and Annapolis May 24.

NEWARK, 3d rate, 12 guns, Capt. Silas Casey. Same as Philadelphia.

S. Atl. Sta'n.—Act'g R. Admiral J. G. Walker.

Mails for vessels on this station should be addressed to the care of the U. S. Consul, Rio de Janeiro, Brazil, or care of B. F. Stevens, 4 Trafalgar Square, London, unless otherwise noted.

CHICAGO, flagship, 21 rate, 14 guns, Capt. J. N. Miller. Arrived at New York May 25 from St. Thomas, W. I. It is reported that although steaming only at half power she made very good speed, arriving two days ahead of the time she was expected. She took anchorage off 27th street in the North River, and will later go to the Navy-yard.

Following is a complete list of the officers of the Chicago: Capt. J. N. Miller, comdg.; Lieut.-Comdr. C. S. Sperry, executive officer; Lieut. R. P. Rodgers, navigator; Lieut. John Hubbard, S. A. Staunton, W. H. Schuetz, A. M. Knight and R. C. Smith; Ensigns T. G. Dewey, E. E. Capehart, Philo Andrews, N. A. McCully, G. R. Marvell and W. D. MacDougall; Med.-Insp. J. R. Tryon, P. A. Surg. J. C. Byrnes, Asst.-Surg. J. M. Whitfield, Paymr. E. N. Whitehouse, Chief Engr. L. J. Allen, P. A. Engrs. A. B. Canaga and F. H. Eldridge, Asst. Engr. J. S. McKean; Chaplain A. A. McAlister. Captain of Marines G. C. Reid and Naval Cadets R. R. Belknap, A. S. McLemore, R. H. Leigh, H. E. Smith, J. K. Robison and G. W. Laws.

ATLANTA, 3d rate, 8 guns, Capt. F. J. Higginson. At Bahia May 9 as per cable to the JOURNAL. En route to New York. Her bottom is reported foul and she may not arrive at New York until about June 4. We received a cable despatch on Friday informing us of the arrival of the Atlanta at St. Lucia May 27.

BENNINGTON, 3d rate, 6 guns, Commander R. B. Bradford. At Montevideo April 28.

ESSEX, 3d rate, 6 guns, Comdr. Wm. W. Mead. At Montevideo April 28.

YANTIC, 4th rate, 4 guns. Lieut.-Comdr. Samuel Belden. At Montevideo April 28.

Pacific Station.—Act'g Rear Adml. Geo. Brown.

Address all mail to Navy Pay Office, San Francisco, Cal. unless otherwise noted.

ADAMS, 3d rate. Comdr. Thomas Nelson. Sailed from Port Townsend May 12 for Bering Sea.

BALTIMORE, 3d rate, 10 guns, Captain Wm. Whitehead. At Portland, Ore., May 14.

BOSTON, 3d rate, 8 guns, Captain G. C. Wiltse. At Mare Island Navy-yard, under repairs.

CHARLESTON, 3d rate, 8 guns, Captain Henry F. Pickens. At Portland, Ore., May 14.

MOHICAN, 3d rate, 10 guns, Comdr. Henry L. Johnson. Sailed from Port Townsend for Bering Sea May 12.

RANGER, 3d rate, Commander H. E. Nichols. Sailed from Port Townsend for Bering Sea May 21.

SAN FRANCISCO, 3d rate, 13 guns, flagship, Capt. Wm. T. Sampson. At Honolulu, H. I., May 9.

Capt. J. C. Watson is ordered to hold himself in readiness to command.

YORKTOWN, 3d rate, 6 guns. Commander R. D. Evans. Sailed from Port Townsend May 12 for Bering Sea.

Atlantic Station.—Rear Adml. D. B. Harmony.

ALBET, 3d rate, 4 guns, Comdr. R. D. Hitchcock. Left Nagasaki for Kobe April 10.

ALLIANCE, 3d rate, 6 guns, Commander Felix McCurley. At Nagasaki April 12.

LANCASTER, 2d rate, 10 guns, flagship, Capt. H. B. Seely. Comdr. A. H. McCormick ordered to command per steamer of May 21. Left Hong Kong, China, for Nagasaki April 12.

MONOCACY, Comdr. F. M. Barber, 3d rate 6 guns. At Shanghai, China, April 12.

MARION, flagship, 3d rate, 8 guns. Comdr. J. R. Bartlett. At Yokohama April 12. Comdr. C. V. Gridley ordered to command.

PALOS, 4th rate, 6 guns. Lieut. Comdr. J. C. Rich. At Taku, China, April 12.

PETREL, 4th rate, 4 guns. Lieut.-Comdr. M. R. S. Mackenzie. At Shanghai, China, April 12.

## Apprentice Training Squadron.

JAMESTOWN, 12 guns, Comdr. C. F. Goodrich. Arrived at New York May 24.

PORTSMOUTH, 12 guns, Comdr. C. D. Sigbee. At Fort Monroe April 28.

RICHMOND, 3d rate, 14 guns. Capt. F. M. Bunce. At Newport, R. I. (Receiving ship for boys).

MINNESOTA, 19 guns. Receiving ship for boys. Capt. E. E. Potter. At dock foot of West 50th street N. Y. City.

MONONGAHELA, Commander J. H. Sands. Arrived at New York May 25. Will proceed to Portsmouth, N. H., for repairs.

## On Special Service.

AND AWAITING ASSIGNMENT.

ENTERPRISE, 3d rate, 6 guns, Commander Colby M. Chester, commanding, in addition to his other duties. Cadet practice and training ship at Annapolis.

DOLPHIN, 3d rate, despatch boat, 2 guns. Comdr. W. H. Brownson, comdg. Repairs were completed at Norfolk, Va., and vessel sailed for Washington, D. C., May 24.

FERN, fourth rate despatch vessel, Lieut. Comdr. W. C. Gibson. At Boston May 18.

MICHIGAN, 4th rate, 4 guns, (2 howitzers and 2 gatlings). Commander Geo. E. Wingate. Sailed from Erie, Pa., for Chicago, May 24.

PINTA, 4th rate, 4 howitzers. Lieut.-Comdr. Washburn Maynard. At Sitka, Alaska, at last accounts.

SABATOGA, Comdr. F. M. Green, nautical school-ship of Pennsylvania. At Philadelphia, Pa. Will sail on her summer cruise the latter part of June.

ST. MARY'S, sails, 8 guns, Comdr. John McGowan, Jr. Public Marine School, New York. Ready for her summer cruise. Was to sail from New London, Conn. May 25, and will visit Southampton, Cherbourg, Lisbon, Gibraltar, Tangiers and Madeira, returning about Oct. 15.

THEETIS, 3d rate, 2 machine guns. Commander George C. Reiter. Sailed from San Francisco April 20, to begin survey for Hawaiian cable.

CONSTELLATION, 10 guns (practice ship of Naval Academy). Comdr. C. M. Chester comdg. Placed in commission May 14.

## Receiving Ships, Iron-Clads, Etc.

CUSHING, torpedo boat, Lieut. C. McR. Winslow. At Washington Navy-yard.

DALE, Comdr. E. S. Houston. Receiving-ship. Navy-yard, Washington, D. C.

FRANKLIN, 30 guns, Capt. John F. McGlensey. Receiving ship. Navy-yard, Norfolk, Va.

INDEPENDENCE, 7 howitzers. Comdr. O. S. Cotton. Receiving ship. Navy-yard, Mare Island, Cal.

ST. LOUIS, sails, Captain C. H. Rockwell. Receiving ship. Navy-yard, League Island, Pa.

VERMONT, 1 gun. Capt. C. S. Norton. Receiving ship. Navy-yard, New York.

WABASH, 20 guns, Capt. Jas. O'Kane. Receiving ship. Navy-yard, Boston, Mass.

The armor-clad *Ajaz*, *Catfish*, *Canonius*, *Lehigh*, *Manhasset*, *Manhattan* and *Wyandotte*, in command of Comdr. G. W. Pigman, are laid up near Richmond, Va. P. O. address, Richmond, Va.

## VARIOUS NAVAL ITEMS.

WAR vessels coming to anchor in the stream at Mare Island, frequently tear up the submarine water pipe which supplies the Navy-yard from the Vallejo system of water works. The *Pensacola* was the last to achieve this.

The Minister of Marine in Paris has contracted with Messrs. Yarrow and Co., of Poplar, to construct, in one month, for service in Dahomey, a shallow-draft river gunboat, 100 feet in length by 18 feet beam, and with a draft of only 18 inches. It will be propelled by a stern wheel at 10 miles an hour. It will be built in floatable sections, which can be connected with great rapidity, and enable the vessel to be shipped without difficulty.

IRVING M. SCOTT, of San Francisco, who has been visiting Washington and New York, gives a very satisfactory report of the progress of the work upon the Government vessels building at his yard. The *Monterey* has twelve of her armor plates on, as many more are on hand ready to be put in place, and two hundred tons more are on the cars and expected to arrive about this time. The glacia plates for the smokestack and ventilators will be finished this week, and the conning towers next week, and with the completion of these parts, all the armor plate will have been prepared. The guns and gun carriages are ready at the ordnance factory at Washington, and will be shipped in time to reach San Francisco as soon as the armor is all on hand. The *Monterey*, Mr. Scott said, would be finished in two months after the last of the armor plates reached the yards. Work is progressing rapidly on *Cruiser No. 6*. She will be launched some time this year. Work on the battleship *Oregon* is nearly as far along as on the *Cruiser*. In addition to these vessels for the Navy, Mr. Scott said he expected to turn out the steamer *Peru* for the Pacific Mail Steamship Company by Aug. 1.

The racing programme of the Seawanhaka Corinthian Yacht Club, of New York, for the season of 1892, is announced. Races will be open to yachts of the Atlantic, Beverly, Corinthian of Marblehead, Corinthian of New York, Eastern, Knickerbocker, Larchmont, Massachusetts, Marine and Field, New Haven, New York Yacht Clubs, and Royal Nova Scotia Yacht Squadron. Saturday, July 2, the Annual Corinthian Race will be sailed over the regular club courses in the following classes: Schooners, 90-foot class; sloops, cutters and yawls, 46-foot class, 40-foot class, 35-foot class, 30-foot class. Also the class of 25 feet racing length, and such other small classes as may fill with three entries. In addition to the regular class prizes offered, the Leland Challenge Cup, open to competition for members of the club only, is put up for contest in the 46-foot class. Two series for the club cat-boats have been arranged as follows: The Saturday series will be sailed on Saturday afternoons; the Oyster Bay series to be sailed on any week days from June 1 to Sept. 30. For these special prizes will be awarded. Mr. Henry C. Rouse and Mr. Charles W. Wetmore have presented to the club four prizes of the value of \$75 each, to be raced for by the small yachts of the club on the second Saturday of each month during the season, under special conditions to be hereafter announced. Special races will be arranged by the committee in any classes for which a satisfactory number of entries may be made. For the morning of Saturday, May 28 (opening day), various races will be arranged in the smaller classes, and between naphtha or steam launches.



THE *Chicago* will fire the salute at Grant's tomb on Decoration Day. The *Atlanta* will also participate if she arrives in New York in season. She arrived at St. Lucia May 27.

WITHOUT any formalities, but after a thorough inspection, the new Naval War College on Coaster's Island Harbor was formally accepted, May 20, from the contractor, by Lieut.-Comdr. Stockton, in behalf of the United States Government.

THE three candidates for assistant paymasters in the Navy recently designated by the President, having successfully passed the examination required by law, were nominated to the Senate May 20 as follows: Thomas Holliday Hicks, Maryland; Henry E. Jewett, New Jersey, and Ziba W. Reynolds, Pennsylvania.

REPRESENTATIVE OUTHWAITE (Dem., Ohio), introduced in the House May 18, by request, a joint resolution authorizing the President to issue an amnesty proclamation removing the charge of desertion against the 70 or more sailors and marines who left the *Enterprise* while the vessel was cruising under the command of Capt. McCalla in the Mediterranean Sea.

AN examination of applicants for the position of Foreman Mason, Yards and Docks Department, was held at the Navy-yard, Portsmouth, N. H., on May 23, in accordance with Special Order No. 13. Two applicants presented themselves. Henry C. Pray, of Salmon Falls, N. H., was recommended by the Board as being the best qualified for the position, and he has been appointed.

IMMEDIATELY upon the arrival of the *Mohican* and *Nipisic* at Port Orchard, an enterprising real estate firm issued a circular to boom Sidney, the little town opposite the site selected for the drydock. A great future is predicted, with "vast navy-yard, gun factory, and immense private factories," like Kittery, Me.; Portsmouth, Va.; Warrington, Fla., and Vallejo, Cal., other Navy-yard towns.

UNDER date of May 1, R. Adm. Harney reports the location of vessels of the Asiatic Squadron as follows: Lancaster, at Nagasaki; Marion, in dock at Yokosuka—will soon proceed to Chemulpo, Korea; Alliance, at Nagasaki; Monocacy, at Shanghai—will proceed on a cruise up the Yangtze River as soon as target practice is finished, visiting Kinkow, Kin-Kiang, Wahu and Chinkiang. The *Albatross* was at Kobe and the *Petrel* on a cruise up the Yangtze River.

THE Court of Inquiry appointed by Rear Admiral Harney to investigate the cause of the grounding of the *Alliance* on the breakwater at Yokohama some weeks ago, recommended further proceedings against Comdr. Felix McCurdy, and a Court-martial has been ordered for his trial. In order to provide the requisite number of officers for the court Comdrs. Chas. V. Gridley and F. W. Dickens have been ordered to the Asiatic Station for service on the court. The former will be assigned to the command of the *Marion* when the Court-martial proceedings are over, relieving Comdr. Bartlett, who will be ordered home for examination for promotion. The cause of the accident is said to be directly due to the color blindness of Lieut. H. P. McIntosh, the navigator, and for that reason it is not anticipated that there will be any serious outcome for Comdr. McCurdy. Lieut. McIntosh is now undergoing examination for retirement on account of this defect of his eyes, which he or his friends never knew existed until the accident happened with the *Alliance*.

THE reproduction of Columbus' caravel, the *Santa Maria*, is being built by the Spanish Government at the Carraca yard at Cadiz. The keel was laid on March 1. The caravel's dimensions are: Length at keel, 62 feet 4 inches; length between perpendiculars, 75 feet 5 inches; beam, 22 feet; draught, 14 feet 8 inches. Great care is being taken with details, and the instruments and appliances of the time of Columbus will be in their places aboard the caravel. The *Pinta* and *Nina*, it is announced, are being reproduced by American capital, so visitors to the Exposition will be able to see the "Columbus fleet" complete. The Spanish Government will provide crews for the three caravels, dressed as were Columbus' sailors, and the trip across the Atlantic will be made under escort of a Spanish man-of-war. After participating in the naval review in New York Harbor the caravels will proceed to Chicago. After the fair closes they will remain the property of the United States.

#### NAVY GAZETTE.

##### Ordered.

MAY 23.—Ensign Patrick W. Hourigan, to examination for promotion.

MAY 25.—Assistant Naval Constructor George H. Rock, to duty in the Department of Construction and Repair at the Navy-yard, New York.

Commander Charles V. Gridley, to special duty on the Asiatic Station, on the completion of which to report for the command of the *Marion*.

##### Detached.

MAY 20.—Lieutenant L. C. Heilner, Ensign C. S. Stanworth and Boatswain John Costello, from the *Pensacola* and granted leave for three months.

MAY 21.—Commander B. H. McCalla, granted an extension of leave for one year.

MAY 23.—Lieutenant Francis H. Delano, from the Navy-yard, Portsmouth, on the 31st., and ordered to the training ship Portsmouth as executive officer.

MAY 24.—Lieutenant E. T. Strong, from the nautical schoolship Saratoga on the 31st inst., and granted leave for one year, with permission to leave the United States.

Lieutenant Lucien Flynn, from duty at the Union Iron Works, San Francisco, Cal., on the 31st inst., and ordered to duty on the Coast Survey.

Ensign J. H. Rohrbacher, from the Coast Survey steamer Blake and granted three months' leave.

Ensign G. R. French, from duty at the Navy-yard, Pensacola, and granted six months' leave.

MAY 25.—Commander John R. Bartlett, from the command of the *Marion* upon the reporting of his relief and ordered home.

MAY 26.—Ensign Joseph L. Jayne, from the receiving-ship Independence and ordered to the Coast survey.

##### Leave.

Granted Medical; Director T. J. Turner, retired,

for one year, with permission to leave the United States.

##### Promotions.

Assistant Surgeons Geo. B. Wilson and H. N. T. T. Harris, to be passed assistant surgeons in the Navy.

##### MARINE CORPS.

MAY 25.—Colonel C. D. Hebb, U. S. M. C.; Medical Inspector Edward Kershner, U. S. N., and Lieut.-Colonel McLane Tilton and Major P. C. Pope, U. S. M. C., and Surgeon H. P. Harvey, United States Navy, members, and Captain B. R. Russell, U. S. M. C., recorder, have been appointed a Retiring Board to meet at the office of the Assistant Quartermaster, U. S. Marine Corps, at Philadelphia, on June 1 next, to examine Captain Louis E. Fagan, U. S. M. C.

##### REVENUE MARINE SERVICE.

Capt. L. G. Shepard, Act'g Chief Rev. Marine Division.

THE Senate Committee on Claims has made a favorable report on the bill to make good the losses sustained by officers and men of the Revenue cutter Gallatin, which was wrecked off the coast of Massachusetts Jan. 6 last.

MAY 23.—Second Assistant Engineer H. U. Butler detached from the *McLane* and ordered to the Manhattan at New York.

##### THE MARINE CORPS.

It has been decided at headquarters that the leggings recently adopted and issued are not to be worn except on actual service in the field when they will be charged to the troops as "extra issues."

The labors of the Uniform Board have been poorly rewarded. Especial dissatisfaction exists with the black helmet and the broad scarlet stripe for trousers. No one can understand how black can be "uniform" with blue, or why the narrow stripe, so entirely satisfactory for half a century, should be changed. The canvas working clothes fill a long felt want. Most of the marines enlist to work and will be able to assist in coaling ship so soon as a supply is provided.

2d Lieut. Leroy A. Stafford, who recently resigned, has gone into business at New Orleans and is well satisfied. He will be promoted to a first lieutenant before his resignation takes effect.

Much needed improvements have been made in the new barracks at League Island, which were of hasty and imperfect construction, and the barracks built at Sitka last year are being repaired. They were both contract jobs, and the latter being built of green lumber in great part has already shrunk badly inside and out and many leaks have developed in the roof. The Sitka Barracks were built with great rapidity, the mechanics paying little heed to rain.

The marine recruiting rendezvous at San Francisco was closed May 1, and the party transferred to the Mare Island Barracks.

There will probably be five marines in the grade of 2d lieutenant for the present six year graduating class of naval cadets.

A number of changes in command are expected in July. Major Pope is likely to go to Boston and Major Huntington to Norfolk.

THE reporter of *El Imparcial*, Madrid, asked Lt. Wm. McCarthy Little, described as "one of the most distinguished officers in the Navy of his country," how it was that the United States, having so many shipyards and so many eminent naval engineers would build the *Pinta* and *Nina* in our country, to which Mr. Little, with good and sound sense, said: "Ships, my friend, like men, have their own physiognomy, and an Englishman or an American can never build more than a caricature of a Spanish ship. For this reason I have wished that the builders of the caravels might be Spaniards, and if possible Andalusians."

THE Hop Committee of the ball to be given to the graduating class, Naval Academy, on the evening of Friday, June 3, is as follows: Chester Wells, Penn.; Thos. Sheldon Wilson, Ills.; Steele Kellogg, Dist. of Columbia; Martin Edward French, Minn.; Daniel Chaplin Nutting, Kas.; Frank Brooks Upham, Mont.; Wm. K. Gise, Ills.; Will Stack Montgomery, Ky.

THE Association Pioneers of the Territorial days of California tendered a dinner on Thursday evening to Commo. Richard W. Meade, U. S. N., at Morello's, New York City, to congratulate him upon his recent promotion. This officer was the first appointee in the Navy from California after she was admitted as a State.

NAVAL CADETS A. S. McLEMORE and J. K. Robinson, and Acting Gunner Charles Morgan, of the U. S. S. *Chicago*, together with nine of her crew, have been sent to the Naval Hospital, Brooklyn, N. Y. They are suffering from various ailments, none of which, however, are reported of a serious nature.

LIEUTENANT J. H. HETHERINGTON, U. S. N., accompanied by his wife and three-year-old child, arrived at San Francisco from Yokohama on the *Oceanic*, May 21, where he was immediately assailed by a legion of reporters.

LIEUTENANTS F. J. MILLIGAN and Hiero Taylor were before the Naval Retiring Board this week. They have both been recommended for retirement. Lieut. H. P. McIntosh is now before the Board.

LIEUTENANT C. H. ARNOLD, Lieut. H. M. Witzel and Ensigns F. W. Kellogg and P. W. Hourigan successfully passed their examination for promotion at Washington this week.

THE young officers from West Point who write so charmingly for that excellent publication—the *Journal of the U. S. Cavalry Association*—do not know what they are talking about when they speak of cavalry charging successfully with the sabre against entrenched lines of veteran infantry. Dismounting and fighting infantry on foot is something that cavalry may do with reasonable chance of success, but to mount and charge with sabre an entrenched line of veteran infantry is too wild a notion of war to be even entertained in books of fiction in times of peace. Unlaspogias of Rider Haggard's creation wouldn't think of it.—*Western Soldier*.

THE New York Commandery of the Loyal Legion will take part in the ceremonies at the decoration of the tomb of Gen. Grant, Riverside Park, on Memorial Day, May 30. A special platform with seats has been erected for the Commandery, and will be in charge of the following committee: Paymr. Geo. DeF. Barton, Major Thomas B. Odell, Lieut.-Col. Charles N. Swift, Paymr. A. Noel Blakeman and Capt. Wm. Mitchell. Companions will report to the recorder at the "Claremont"—the hotel just north of the tomb—at 1.30 p. m.

THE following Army officers registered at the War Department this week: Major G. B. Russell, 9th Inf.; Capt. John B. Myrick, 3d Art.; Lieut.-Col. G. L. Gillespie, Engrs.; Lieut.-Col. G. M. Sternberg, Med. Dept.; Capt. R. F. Bates, 18th Inf.; Lieut.-Col. H. M. Robert, Engrs.; Lieut. R. F. Ames, 8th Inf.; 1st Lt. George McDonald, 1st Cav.; 1st Lt. Jas. B. Erwin, 4th Cav.; Chaplain T. G. Steward, 25th Inf.; Major-Gen. O. O. Howard, and Col. H. C. Merriam, 7th Inf.

CAPTAIN O. M. SMITH, Subsistence Department, U. S. A., who is expected in New Orleans this week, will take charge of the Quartermaster as well as the Subsistence Depot in that city until an officer of the Quartermaster's Department is assigned.

LIEUTENANT-COLONEL GEORGE W. STERNBERG, surgeon, U. S. A., returned to New York the latter part of this week from attendance upon the seventh annual meeting of the Association of American Physicians, which adjourned on Thursday.

A SPECIAL train will run from New York conveying guests to the graduation hop at the Military Academy at West Point, to take place on the evening of June 10, the evening preceding the commencement exercises.

CAPTAINS ALBERT KAUTZ and J. W. Philip, Lieut. Comdr. Richard Rush, Lieut. Conway H. Arnold and F. J. Milligan and Ensign P. W. Hourigan registered at the Navy Department this week.

THE disabled line officers of the Army awaiting retirement are Lieuts. Geo. L. Converse, 8d Cav.; Lewis Merriam, 4th Inf.; and C. A. Churchill, 5th Inf.

It is expected that Horace Porter will present Harrison's name for nomination for the presidency to the Republican National Convention.

#### FIFTY-SECOND CONGRESS—FIRST SESSION.

Senate bill No. 692, authorizing the issue of medals to the Port Hudson forlorn hope storming party, was passed by the Senate May 23; also S. 2472, to give Capt. J. G. Corbin, U. S. N., the rank and pay of rear admiral on the retired list.

Senate bill 710, to restore and retire Wm. C. Spencer, late captain, 17th Infantry, was passed by the Senate May 20.

The Senate bill repealing the act prohibiting officers from wearing the uniform of, and of being addressed by their brevet titles, which was recalled from the House a few weeks ago, was passed by the Senate again on Monday last with the following amendment, placing volunteer officers upon the same basis regarding brevets as if they were in the Regular Army: *Provided*, That all brevets conferred since the 15th day of April, 1861, in the volunteer forces, whether under appointment or commission from the President or from the Governor of a State, shall have the same force and effect in respect of any volunteer officers now in the Service of the United States, as though conferred in the Regular Army and service.

Senate bill 8117, to abolish post traderships, which has received the approval of Gen. Schofield and Secretary Elkins, has been favorably reported by the Senate Military Committee.

The Senate Naval Committee has acted promptly on the bill for the relief of the sufferers by the wreck of the U. S. S. *Despatch*. It was introduced on May 17 and reported favorably May 20. In its report the Committee states that the bill is exactly in line with its action in similar cases, notably, the *Tallapoosa*, *Vandalia*, *Trenton*, *Nipisic*, *Huron*, *Oneida*, *Grampus*, *Washington* and *Somers* cases—in all of which the bills became enactments, with the exception of the *Tallapoosa* measure, which is now on the Senate calendar.

The House Military Committee has reported favorably the bill for the erection of a pedestal for statue of the late Gen. W. T. Sherman, and adversely the bill to establish a National Sanitarium, under military auspices, in Northern New Mexico or Colorado.

Senate bill No. 2807, authorizing the appointment of an Assistant Chief of Bureau of Navigation, was passed by the Senate May 24.

Considerable business was disposed of by the House Naval Committee at its regular meeting on Tuesday. Favorable reports were made on bills H. R. 5078, making examination a condition of promotion in the Marine Corps; H. R. 760, authorizing the sale of a portion of the Brooklyn Navy-yard; H. R. 1072, to give Lieut.-Col. J. L. Broome, U. S. M. C., retired, the rank and pay of colonel; S. 1300, terminating reduction in Engineer Corps, and H. R. 8204, to give Capt. George H. Perkins, U. S. N., retired, the rank, without the pay, of commodore. The calendar was also cleared of a number of private and unimportant measures.

The Senate Naval Committee has adopted favorable reports on the bills to promote Lieut.-Col. J. L. Broome, U. S. M. C., retired, to colonel, and to restore and retire Louis A. Yorke, late paymaster, U. S. N.

The House Military Committee has made a favorable report on the bill to give the swordmaster of the Military Academy the rank and pay of 1st lieutenant of infantry.

The only business transacted by the House Military Committee this week was the adoption of a favorable report on the Senate bill authorizing the detail of Army officers for duty in connection with the World's Fair. An amendment was added prohibiting the detail of any officer for work as a civil engineer.

##### BILLS INTRODUCED.

S. 3154, Cockrell. Extends operation of section 9 of the act for the relief of certain volunteer and regular soldiers of the late war and the war with Mexico, passed March 2, 1890, for the period of two years from July 1, 1892.



**BLACK, STARR & FROST.**

SUCCESSORS TO

**BALL, BLACK & CO.**

Fifth Avenue, Cor. 28th Street.

DIAMONDS, AMERICAN AND FOREIGN, WATCHES, JEWELRY, STERLING SILVER AND PLATED WARE, CLOCKS, BRONZES AND FANCY GOODS. Will give SPECIAL ATTENTION to ALL ORDERS BY MAIL; also FOR GOODS OUTSIDE OF OUR LINE.

BLACK, STARR & FROST have models of the West Point Class Rings for many years, and can supply duplicates (in case of loss) at short notice.

**Fine Wines, Havana Cigars  
Fancy Groceries.**

**ACKER MERRALL & CONDIT**  
17th STREET & 6th AVE.; BROADWAY & 4th STREET,  
130 Chambers St. New York.  
Orders by Mail will receive prompt attention.

**FALSTAFF and THE CRUISER CIGARS.**

EXPRESSLY MANUFACTURED FOR THE

**ARMY AND NAVY,**

By **D. HIRSCH & COMPANY,**  
331 AND 333 BOWERY, New York.

**39 YEARS IN FULTON STREET****H. B. KIRK & CO.**

DO NOT SELL

**Mixed or Compounded Goods.**

PRICE ACCORDING TO AGE.

No other house can furnish

**'OLD CROW' RYE WHISKEY.**

Sold by us as uncolored, unadulterated. Sole Agents for  
**THE PLEASANT VALLEY WINE CO.**  
Sole Agents for the INGLENOOK WINES.  
SEND FOR CATALOGUE.

59 FULTON ST. . . . . 91 WARREN ST.  
BROADWAY & 27th ST., NEW YORK.

**MT. DE CHANTAL,**

Near Wheeling W. Va.

UNDER THE CARE OF THE SISTERS OF THE VISITATION  
B. V. M.]

FULL ENGLISH, MATHEMATICAL AND  
CLASSICAL COURSE

Musical Department especially noted.

LOCATION UNSURPASSED FOR BEAUTY AND HEALTH.

For Catalogue and references to Officers of the Army and  
patrons in all the principal cities, address

THE DIRECTRESS.

**KEEP'S SHIRTS**

THE STANDARD SHIRTS OF AMERICA.  
LARGEST STOCK OF MEN'S FURNISHING GOODS  
IN NEW YORK. CATALOGUE AND SAMPLES  
SENT UPON APPLICATION.

**KEEP MANUFACTURING CO.**

809 and 811 BROADWAY, New York.  
Branch Store: 114 TREMONT ST., Boston.

EST. 1852.) **F. W. DEVOE & CO.,** 101 FULTON ST.,  
NEW YORK.

**ARTISTS' MATERIALS**

OF EVERY DESCRIPTION.  
Illustrated Catalogues on request. Correspondence invited  
**GOFFIN DEVOE & CO. 176 Randolph St.,**  
CHICAGO.

**C. A. CAPPA'S**

7th Regiment Military Band of Sixty Pieces  
and Orchestra

Furnish Music for all occasions.

25 UNION SQUARE, New York City.

**CALIFORNIA VINTAGE CO.**  
21 PARK PLACE, N.Y.

GEO. HAMLIN, Prest. F. P. MILLS, Treas.  
CHOICEST OLD CLARETS, WHITE WINES, GRAPE,  
BRANDY, PORT, SHERRY, MUSCATEL, &c.  
Send for Price-List.

MAXIM, the inventor of the Maxim gun, explains  
in the June *Cosmopolitan* how it is possible to build  
without further discussion a flying machine which  
will travel through the air at the rate of 100 miles  
per hour; this without the aid of any gas.

**E. M. POWER, 234 York St.,  
BROOKLYN, near Navy Yard Gate.**

Makes OFFICERS' OVERCOATS from \$30.00 and \$35.00  
FATIGUE SUITS of Cloth, from \$30 to \$35; SERGE from  
\$25 to \$30. Satisfaction or no trade. Officers' baggage  
received and cared for free of charge.

**OTIS & COMPANY,  
REAL ESTATE AND INSURANCE,  
1025 FOURTH STREET,**

SAN DIEGO, CAL.

COL. ELMER OTIS, (U. S. Army, retired),

MANAGER.

Correspondence solicited.

**Japanese Nurse.**

ANY ONE WITH A YOUNG CHILD (OR CHILDREN) who is going to Japan or China this summer, and who desires a trustworthy Japanese nurse that speaks English, does not get seasick, and is well recommended, will do well to address "AMAH," Naval Academy, Annapolis, Maryland.

**FOR RENT—**

AT ORANGE VALLEY, N. J., A FURNISHED HOUSE of nine rooms, with all modern improvements. Five minutes from D. I. W. R. Station, Stable, etc. Further information by addressing P. O. Box 64, Orange Valley, N. J.

**RICE, DUVAL & LUCKEY,  
Tailors,**

**Army and Navy Uniforms**  
231 BROADWAY, NEW YORK.

Moderate Prices.

Opposite Post Office.

**ARMY AND NAVY JOURNAL.**

PUBLISHED EVERY SATURDAY.

(ESTABLISHED 1863.)

NEW YORK, SATURDAY, MAY 28, 1892.

Bennett Building, Nassau, Cor. Fulton St.

No attention is paid to anonymous communications, but the wishes of contributors as to the use of their names will be scrupulously regarded.

Subscriptions, \$6 a year, and pro rata for a less period. In clubs of five, \$4; clubs of ten or more, \$3. Club rates are strictly in advance and the full subscription price is charged where we are put to the expense of collecting.

Domestic Postage prepaid. Foreign postage, \$1.00 per annum, should be added to the subscription price.

Remittances should be made by express money order, post-office order, check, or draft, made payable to W. C. and F. P. Church. Postmasters are obliged to register letters if requested. No responsibility is assumed for subscriptions paid to agents, and it is best to remit direct.

The date when the subscription expires is on the Address Label of each paper, the change of which to a subsequent date becomes a receipt for remittance. No other receipt is sent unless requested.

Change of address will be made as frequently as desired upon notification; not otherwise. Both the old and new address should be given.

Immediate notice should be given of any delay or failure in the receipt of the JOURNAL.

W. C. and F. P. CHURCH, Proprietors,

Bennett Building, Nassau, Cor. Fulton St., New York.

**REMOVAL OF THE JOURNAL OFFICES.**

The offices of the ARMY AND NAVY JOURNAL have been removed to the Bennett Building at the corner of Nassau and Fulton Streets, New York.

**NEW INFANTRY DRILL REGULATIONS.**

We again call attention to the fact that we have issued an edition, complete of the "Drill Regulations" for infantry which now supersedes Upton's Tactics.

It is identical with the copy issued to the Army from Headquarters, and the Plates, Illustrations and Music pages are duplicates furnished to us by the Public Printer by authority of the War Department. We have added the paragraphs from Army Regulations, 1889, referred to in the text of the New Drill Regulations but not printed in the Army edition. The accuracy of this edition is guaranteed.

The price of this edition bound in strong flexible Bristol board is thirty cents a copy. Bound in blue leather, in style similar to Upton's Tactics, but with the improvement of a tuck in place of the less convenient clasp; the price is seventy-five cents a copy. The size of both editions is the same as Upton's Tactics. We still publish an edition of extracts from the Drill, including "School of the Soldier" and "Company," pars. 1-248. "Extended Order," pars. 502-621. "To Form Street Column," par. 367. Price fifteen cents a copy. Our extremely low price puts this edition of the Official Drill within reach of all.

Address ARMY AND NAVY JOURNAL,

Bennett Building, Nassau, Cor. Fulton St., New York.

THE Senate has passed the bill, permitting officers of the Army to use their brevet titles, with an amendment extending the privilege to include volunteer brevets.

**THE BRITISH ARMY AS IT IS.**

THE report of Lord Wantage's Committee on the Condition of the British Army continues to be the theme of discussion in the English service papers. The report is accompanied by four hundred pages of evidence, in which are presented the opinions of Army representatives of every sort, from the Duke of Connaught and Lord Wolseley to privates in the ranks. The Duke thinks that there is an unnecessary amount of sentry duty imposed on the Guards at Windsor and London. Lord Wolseley, who has experienced the advantages of advertising in his own case, thinks that from ten to fifteen thousand pounds should be spent in advertising. He believes also that the soldier should be better paid, and holds that the belief that increase of pay means increase of drinking is a superstition as much out of date as the belief in witchcraft. He favors a shorter term of service, and holds that the Army abroad is better than ever before, but that the home Army has deteriorated. Sir Redvers Buller declares that there is not a single Infantry battalion at home effective for service; that in the event of war battalions would have to be drawn from Egypt, India or the Colonies; that no regiment of the First Army Corps could be sent on service, and that the eight battalions on the higher establishment and first for foreign service are least fit to go on service owing to the large number of young soldiers in their ranks.

Sir Evelyn Wood was asked: "Then we gather from what you say that you have a large proportion of men—would you say 50 per cent.—under your command at Aldershot who are not fit for the duties which soldiers are called upon to perform in a camp?" He answered: "Yes; and I go further than that, and say that they are not only not fit, but that they cannot do a day's service, even in England. A few years ago, when we had a little war, we could take the troops at Aldershot and send them out; but I am of opinion now that there is not more than one battalion that is fit for active service abroad. \* \* Our soldiers are not equal to their work. \* \* I have no hesitation in saying that we have not 30 per cent. in the rank and file who are equal to carrying service marching order, and for two years I have ceased to put the Aldershot Division in marching order—I cannot do it. \* \* The only practice which I dare put the men to now in carrying their pack is two hours at a time on 'sentry go.'"

This accords with what is said by Gen. Butler in the "North American Review" that "Great Britain is not a warlike people." She never had more than twenty-five thousand soldiers from her own islands between the four seas on any battlefield, and those were at Waterloo, while we had in our late war more than that number to starve or die of wounds or sickness in a single prison. Her government is continually making war on small nations and hiring some one else to do the fighting."

"IMPERIAL DEFENCE" is the title of a volume published by Macmillan & Co., London and New York. It is an enquiry into the nature and sufficiency of the preparations of the British Empire for war, by Sir Charles Wentworth Dilke, Bart., author of "Greater Britain," etc., and Spencer Wilkinson, author of "Citizen Soldier" and "The Brain of an Army." The subjects discussed are: "the primacy of the Navy," "the command of the sea," "the peace of India," "the Northwestern frontier" (with maps), "the armies" and "the management of the home army." The argument of the book is that it is impossible to be too strong for defence and that the existence of the British Empire is dependent upon the control or at least the freedom of the sea. This is illustrated by the statement that a crowd containing seventy Englishmen, seven Frenchmen, six Germans, five Americans, one or two Italians, two or three Spaniards and a Dane represents the nationality of the steamers of the world and is, for all practical purposes, an English crowd. Neither Russia nor the United States, it is held, "is likely to be able in any future which need at present be considered, to enter into a maritime contest with Great Britain." At present a challenge would find the British Empire half armed, and the purpose of the book is to urge the needed preparation.



THE principal event in military circles next week will be the retirement, for age, on June 1, 1892, of that distinguished soldier, Brevet Major-General David Sloan Stanley, Brigadier-General, U. S. A., the present commander of the Department of Texas. Born in Ohio, he was graduated from the Military Academy in July, 1852, and up to the commencement of the War of the Rebellion was a cavalry officer. In September, 1861, he was appointed a brigadier-general of volunteers, and his military career since that date has been so distinguished and so prominent as to require but a brief reference at this time. Indeed, on his appointment to brigadier-general in March, 1884, we fully recounted his distinguished services and his fitness for the high position which was then bestowed upon him. At Stone River, Tenn.; Resaca, Ga.; Ruffs Station, Ga.; Franklin, Tenn., and many other hard fought fields, he showed his prowess as a soldier and his skill as a commander. Since the war he has been no less able in the many responsible duties devolving upon him. He now passes to the quiet of retired life with the best wishes of the Army and of his fellow countrymen.

SENATE bill 1230, amending the act of Oct. 1, 1890, concerning examination of officers for promotion so as to permit officers appointed from civil life or volunteer service to waive their right to be examined by boards composed entirely of their own class was passed by the Senate May 20. The measure is intended to overcome the difficulty the War Department is experiencing in making up details of promotion boards. Candidates for promotion of the classes named are often perfectly willing to trust their chances with graduates of West Point, but under existing laws the War Department feels constrained to select volunteer officers, and it is not always practicable to do so.

THE Secretary of War having approved the recommendation of Major General Schofield, commanding the Army, hereafter the retirement of General officers will be announced in General Orders briefly adverting to the military services of the officer thus placed on the retired list of the Army. This graceful act is a well merited recognition of the distinguished services rendered by these officers, who, after a long military career, retire in their declining years to enjoy a well-earned rest.

#### VACANCIES FOR MILITARY AND NAVAL CADETS.

WHILE the number of vacancies in the line of the Army will probably fall a few short of the number of graduates, the assignment of several additional to the Engineer Corps and to the Artillery will assure full second lieutenantcies for the remainder of the class in the Cavalry and Infantry, and leave a few vacancies to spare for the non-commissioned officers. There are fifty-two vacancies at present—fifteen Cavalry, three Artillery and thirty-four Infantry. Another will occur June 5, when 2d Lieut. Hawley, 16th Inf., will be dropped as a deserter, and if there is no delay in the appointment of a Brigadier-General to succeed Gen. Stanley, who retires June 1, another will be added in time to be of benefit to the graduates. There are three vacancies on the limited retired list and three disabled line officers awaiting retirement. Should they be retired before June 30 there will be fifty-seven vacancies in all, five less than the number of graduates. It is expected that about ten graduates will be assigned as additional to the Engineer Corps and the Artillery. This would leave five vacancies in the Cavalry and Artillery for the non-commissioned officers. This number may be added to by unexpected casualties between now and June 30.

The young men of the ranks who have stood the severe trial of departmental examining boards may therefore feel assured that their efforts have not been in vain. The only serious barrier to overcome to assure them commissions now is the final examination before the Fort Monroe Board. There are five successful candidates from the ranks as far as reported to the War Department. The Departments of Texas and Columbia are yet to be heard from. Nine candidates in all were examined in the other six departments, four of whom failed to get the necessary percentage. Two of them came so near it that it is barely possible that the War Department acting upon the recommendation of the department commanders will give them a chance before the Fort Monroe Board. The following is a list of the successful candidates and a brief sketch

of each. It will be seen that four out of the five are the sons of well-known Army officers: Sergt. Edgar A. Maoklin, Bat. A, 5th Art., examined at San Francisco. Was born at Fort Totten, N. D.; son of Capt. James E. Macklin, 11th Inf.; 23 5-12 years of age; unmarried; obtained general average of 89.73. Corpl. Wm. J. Lutz, Bat. F, 1st Art., examined at Governor's Island. Born in Lafayette, Ind.; 24 3-12 years of age; unmarried; general average, 86.8. Corpl. Joseph E. Cusack, Co. C, 5th Cav., examined at Fort Reno, O. T. Born in New York City; son of Capt. Patrick Cusack, U. S. A., retired; 24 3-12 years of age; unmarried; general average, 84.13. Sergt. Henry L. Kinnison, Co. B, 7th Inf., examined at Omaha, Neb. Born at Charleston, Mo.; unmarried; 27 years of age. 1st Sergt. Cornelius C. Smith, Troop K, 5th Cav., examined at Omaha, Neb. Born at Tucson, Ariz.; son of Major Gilbert C. Smith, Q. M.; 23 3/4 years of age; unmarried; general average, 93.3. Corpl. Guy L. Palmer, Co. H, 8th Inf., examined at Omaha, Neb. Born at Utica, N. Y.; son of Capt. Guy H. Palmer, 16th Inf.; 24 9-12 years of age; unmarried; general average, 96.7.

Members of the final graduating class of the Naval Academy need have no further concern about obtaining commissions. There are now vacancies enough practically assured for the entire class with a month left for unexpected casualties. There are twenty-four vacancies at present virtually existing—eighteen in the line, three in the Engineer Corps, and three in the Marine Corps. Three disability retirements—Mulligan, Taylor and McIntosh—soon to occur, will add three more to the line, and the retirement of Captain Fagan one more to the Marine Corps, making twenty-eight vacancies actually assured, without counting the Graham and Smith cases, which, when settled, may add one or two more to the number. The graduating class as it stands at present numbers thirty-three, but there will not be more than twenty-nine to be provided for and probably only twenty eight, as two will be dropped on account of disability. Cadets Ruhm and Spear, who have been studying naval architecture abroad, will be appointed assistant naval constructors, and Cadet Vogelgesang will probably be appointed to the Pay Corps. Naval Cadets Holmes, Price and Dismukes are the three to be appointed to the Engineer Corps, they having been assigned to the Engineer Division three years ago.

IN the matter of the transfer of the Revenue Marine Service to the Navy, the Navy Department has appeared before Congress in the position of a house divided against itself. Secretary Tracy has felt it incumbent upon him to answer in person the arguments presented by one of his bureau chiefs against the passage of a measure to which he has given his sanction. He argued for the bill solely in the interest of the Navy. Revenue Cutter Service would add thirty to the number of naval vessels, increase the commands for young officers, and familiarize them with our coasts. He said it would not be the policy of the Government to keep the battleships and other big ships in commission in time of peace, and there would therefore be plenty of officers for both sea and shore service without any increase of numbers even after the new Navy had been completed. The Secretary cited the fact that officers of the Navy have been detailed to duty under the Secretary of the Treasury in connection with the coast survey, lighthouse service and Fish Commission with entirely satisfactory results. A naval officer, he said, is now in command of the Bering Sea fleet, which embraces revenue marine vessels, and he anticipated good results from such an arrangement. In twenty-five years the revenue officers would disappear and the fact that some officers would be commanded by some who were their juniors at the Naval Academy was not a sufficient reason for sacrificing a measure that was in the interest of the Service as a whole.

A PETITION signed by the following-named officers, urging the passage of the infantry reorganization bill as it passed the Senate, has been forwarded through the War Department to Congress: Colonel E. F. Townsend, Captains S. McConihe, J. M. J. Sanno, Edw. L. Randall, Geo. S. Wilson, James Foranance, Hugh G. Brown, D. J. Craigie, F. E. Lacey, and B. H. Gilman, 1st Lieutenants C. H. Barth, Nat. P. Phister, A. L. Parmerter, F. E. Lacey, Jr., C. W. Abbot, Jr., Jos. G. Batchelor, Jr., M. F. Jamar, W. N. Hughes, H. H. Benham, P. G. Wood, James B. Jackson, R. L. Bullard, G. W. Ruthers, F. Von Schrader, R. K. Evans, Frank F. Eastman, C. J. T. Clarke, E. A. Root, Frederick Perkins and W. A. Nichols, 2d Lieutenants A. W. Drew, H. L. Jackson, W. R. Sample, Edward Sigerfoos, J. M. Sigworth, Robert W. Rose, A. L. Lasseligne, Frederick S. Wild, Charles B. Hagadorn, G. W. Martin, Wm. C. Bennett, W. A. Campbell, W. H. Gordon, A. B. Foster, Wm. M. Swaine, F. H. Sargent, Charles E. Tayman, A. A. Cabaniss and Frank G. Kalk.

WITH reference to the question of the title of midshipmen and cadets during the war to first class membership in the Loyal Legion, we should have said last week that Lieutenant Mason is mistaken in supposing that the question was settled for the Order by a decision by General Hancock as "Acting Commander-in-Chief." General Hancock's decision was based upon the decision unanimously adopted by the Congress of the Order held in Philadelphia in 1881, that cadets at West Point or Annapolis during the war were not eligible to first class membership. It was re-affirmed by the unanimous action of the Congress of 1885. The Congress of the Order is the legislative body, representing the Order by delegates elected. Its unanimous affirmation of the principle upon two separate occasions would seem to make it useless to discuss the question, whatever our opinion might be. Aside from this, the authority to interpret the Constitution is invested by that instrument in the Commandery-in-Chief, which has uniformly ruled that cadets are not eligible. See Wisner case, page 91, Journal Commandery-in-Chief, 1885, Sixth Journal, page 137, West Point Cadets, and page 139, also Richard's case, page 140 and page 143; and also Fifth Journal, pages 46-47, Schenck case.

It is fortunate that the good sense of the members of the New York Commandery of the Military Order of the Loyal Legion led them to promptly lay upon the table at their last meeting the proposition to increase the annual dues. Some of the most desirable members of the Order are, and always have been, the officers of the Army and Navy, who have fixed and limited incomes, and are not able to avail themselves of the opportunity for increasing them offered by residence in a great city. Officers are here to-day and there to-morrow, and it is not often that they can be present at the very pleasant gatherings at Delmonico's. The annual dues of the Commandery are, we understand, principally spent upon the monthly entertainments and, if they are not sufficient, the extra amount should be paid by those who attend. It is a principle of life in the Army and Navy that every man should pay his own mess bills. The ill-success of the old Army and Navy Club in New York was largely due to the disregard of this principle, and the necessity which followed of increasing the burden of members who were not disposed to eat and drink at the expense of others, for the benefit of those who were quite ready to do so.

THE New York Society of the Sons of the Revolution appears to be in a flourishing condition, if we may judge from the handsome octavo volume, in which are found their constitution, by-laws and register. For a frontispiece it has a fine mezzotint of Conder's picture of Washington, engraved by Sartin for the Sons of the Revolution. There are also engravings of Fraunce's Tavern and of the capture of Ticonderoga by Ethan Allen, with an address by Prof. H. P. Johnston on this feat of arms. The Society now numbers nearly one thousand members. Such organizations as this should be encouraged, for they bring together in friendly sympathy those who represent the patriotic traditions of the country, and serve to counteract in a measure the alien influences that are a source of danger to our national integrity. We believe in America for the Americans; interpreting this word in a large sense so as to include all who represent the true American spirit. In this sense some born abroad are far better Americans than those who merely inherit the name.

WE observe, in the columns of the Kansas City Times, an interesting discussion as to whether a principal musician or a 1st sergeant should have the largest pay. The champion of the 1st sergeant presents a very good case and truthfully says: "The captains of the companies know the value of 1st sergeants and so do the enlisted men." The bandman, however, retaliates with "music in the air," alleging that the "1st sergeants know the value of their company clerks," that a 1st sergeant is not a competent judge of the musical ability of a principal musician, and finally defies any one to show a case where a principal musician detailed a private to play his part for him. This is a very pretty quarrel as it stands, but alas, in the meantime the prospects of either class getting an increase of pay are not of the brightest.

THE programme for the Twenty-second Reunion of the Society of the Army of the Potomac at Scranton, Pa., is partially as follows: Wednesday, June 15—10.30 A. M., Corps Meetings; 12 M., Meeting of the Society; 2 P. M., Railroad Excursion; 8 P. M., Public Exercises, Oration by Rev. John R. Paxton, D. D., and Poem by William H. McElroy, Esq., of the New York Tribune. Thursday, June 16—A. M., Parade of military and civic organizations; P. M., Visit of members to the coal mines and other points of local interest; 8 P. M., Banquet.



BRVT. MAJ.-GENERAL M. D. L. SIMPSON, U.S.A., retired, asked that he might be permitted to inter the remains of his deceased son in the lot assigned to him in the National Cemetery at Arlington. The request was referred to Quartermaster-General Batchelder, who reported against it, saying that there was a manifest fitness in allowing the interment of an officer's wife by his side, but to go further than this would fill the grounds with a large number of persons having no right there. General Schofield and the Secretary of War hold that the right should be given, so far as to include the families of officers, not only at Arlington, but at West Point, "since very few would be willing to leave their rights in that regard subject to the judgment of the Quartermaster-General for the time being, without any provision of law to justify his action." The Assistant Secretary of War says: "There is no scarcity of ground belonging to the Government, and there should be no want of liberality in its use. When a lot has been assigned to an officer it cannot make any difference with the Government, and it ought not to make any difference with the Quartermaster-General, what members of the officer's family are buried there, provided there is room on the lot for that purpose. It requires no additional ground to bury a son instead of the wife, buried elsewhere. If legislation is necessary it is recommended, so that an officer who has been assigned a lot shall not be dictated to as to what members of his family he shall or shall not bury there." The correspondence on the subject has been sent to the House and referred to the Committee on Military Affairs.

AUSTIN CORBIN proposes to take advantage of the present liberal disposition prevailing with the administration and Congress upon the subject of free ships to advance his interests in connection with the projected line of fast steamers between the east end of Long Island and some British ports. A bill introduced into the House May 20 authorizes the granting of American registers to his vessels, whether American or foreign built, provided he contracts to build for each vessel of foreign construction one of equal or greater tonnage in an American shipyard, the number thus built to be not less than two of at least seven thousand tons and having a speed of not less than nineteen knots. Another bill introduced May 18 authorizes granting an American register to the foreign built steamer *China*, of 5,000 tons, on condition that not less than ninety per cent. of the stock of the company owning her is in American hands, and that she may be taken by the United States for a cruiser or transport at a value to be appraised.

*Harper's Weekly* for May 28 contains a full page illustration by R. F. Zogbaum of "An Alarm of Fire at the Naval Academy, Annapolis," with descriptive paragraph by Lieut. J. D. Jerrold Kelley, U. S. N. There is an article upon "El Volcan Ometepe," in which that volcano is described by W. Nephew King, Jr. (late U. S. Navy), and illustrated by W. P. Snyder, who presents seven sketches and a map of Nicaragua, one picture showing the fiery mountain in eruption above the waters of Lake Nicaragua. Richard Harding Davis has in this number the seventh chapter of "The West from a Car Window." This chapter headed "A Civilian at an Army Post," which is written with all the frank, humorous charm of its author's style.

MEMORIAL DAY, or Decoration Day, as many call it, happens on Monday next, and the prospects are that it will be as generally honored this year as in previous years. The Army and Navy in many sections are to take part in the ceremonies of the day, and the departments at Washington have shown a patriotic and commendable spirit in that respect.

An additional force of five clerks and one messenger, Gen. Breckinridge has informed Congress, is absolutely necessary to properly carry out the provisions of the act of March 3, 1891, requiring a supervision of the receipts and disbursements of the National Home for disabled volunteer soldiers, and he has submitted an estimate of \$7,640 for that purpose.

The deadly effects of the use of cigarettes are nowhere better illustrated than in a dispatch of May 25, from Paris, which says: "Four soldiers were fatally injured at Chalons to-day. They sat down on a chest of gunpowder and began to smoke cigarettes. Almost immediately an explosion occurred."

In addition to the works named last week Pierre Loti has written *Fleurs d'Ennui*, *Japoneries d'Autunno*, *Au Maroc*, *Mariage de Loti*, *Les trois Dames de la Kasbah*, *Mme. Chrysanthème*, *Azyade*, *P. d'Orient*, *Prospero d'Exil*.

The Army Appropriation bill and the Lineal Promotion bill continue to slumber in conference committee. The prevailing opinion is that the latter is doomed.

THE Naval Appropriation bill has the right of way in the House, but it will be allowed to rest until the return from the graduating exercises at Annapolis of Gen. Herbert, who has charge of it. Meanwhile the Navy Department are preparing estimates for the use of Gen. Herbert, showing what appropriations will be necessary on account of the New Navy during the fiscal years ending June 30, '93 and '94, both with and without the 12 new vessels added by the Senate. Mr. Herbert anticipates that the amount will reach up to the twenty millions for the year 1894. If this should prove true he says the sentiment of the House will be against accepting any of the vessels added by the Senate in view of the present condition of the finances. It is his belief that the Conference Committee will be instructed to adhere pretty closely to the original House bill, and that when the Senate comes to find how much the new Navy is going to cost during the next two years that the conferees of that body will withdraw most of the ships added by the Senate. There are other members, however, who are equally sanguine that three or four ships will be the outcome.

WHEN the eager bicycle riders arrived at the Battery, New York, at one o'clock on Monday morning, bearing a message from Gen. Miles to Gen. Howard, they found that the dwellers on Governor's Island had retired within their moats, so to speak, and hauled up the drawbridge and let the portcullis fall, like "the Douglas in his hall." The wet and weary wanderers were very much disgusted not to find the island ablaze with lights, and a waiting garrison standing with open arms to receive them, Gen. Howard at its head in the full splendor of his cocked hat. It would have been well if the young men had found more encouragement for their laudable zeal, but those who had charge of the programme should have seen to this. It might have been arranged so that time could have been taken from the delivery at the Barge Office.

SECRETARY FOSTER appeared before the House Naval Committee, May 25, in opposition to the bill providing for the transfer of the Revenue Cutter Service to the Navy Department. The secretary made no argument, but confined himself to reading the letter of April 9 last, which he had addressed to the Senate Naval Committee, stating at length his reasons for opposing the bill. The substance of these reasons was that the change would involve the Government in greater expense for the Revenue Marine Service and would divide the responsibility of the officers. The minority of the Senate Committee on Naval Affairs have reported against the bill.

THE lecture by Mr. W. H. Jaques before the Naval Reserve, alluded to elsewhere, was an interesting description of the manufacture of steel guns at the Bethlehem works. The lecture was illustrated by stereopticon views thrown upon the screen by Mr. Church, of the Scoville Manufacturing Co., and his nephew, Mr. G. H. Church, late of the Navy and a classmate of Mr. Jaques. Mr. Jaques also gave a brief history of the progress of modern gun construction. Speaking on the subject of internal stresses the lecturer said:

Rodman is credited by Kalakoutsky with the explanation of their cause and importance, and by Birnie for the exposition of the principle of initial tension in hooped guns; and to giving to the several layers of hoops such a shrinkage as would cause each to offer its full strength in resisting the action of an interior pressure calculated to rupture the gun; but Rodman applied them only in the foundry. Both, however, agree that we are indebted to Lame for the origin of the principle. Further we owe many thanks to the late Gen. Kalakoutsky, of the Russian artillery, and to Capt. Crozier, of the U. S. Ordnance Department, for their independent researches which determined a numerical value for these stresses and pointed out how they could be converted from injurious into beneficial quantities.

The reports of the official investigations to determine for the Army the class and quality of material and the basis for shrinkages to be employed in the construction of steel built-up guns are very attractively summarized in Birnie's "Gun making in the United States," published by the Journal of the Military Service Institution in 1891.

Birnie found in his hoop shrinkage experiments that the degree of accuracy obtained was 98 per cent. of the anticipated mathematical results, which, together with other results he acquired, fully justifies his claim that the production of the proper degree of tensions in a built-up gun is a certain process. A long list of experiments has not only supplied us with a vast amount of valuable mechanical and mathematical data, but has given us additional assurance of the strength and endurance of the built-up forged steel gun, so far as the material and construction are concerned.

#### RECENT DEATHS.

MR. OLIVER W. LONGAN, a well known clerk of the War Department, died May 18. He served during a portion of the war in the Pennsylvania Cavalry, was appointed a clerk in the A. G. O. in 1864, and 2d lieutenant of the 7th U. S. Cavalry in 1867, resigned in 1869, and went back to clerical duty in the A. G. O. Many will learn of his death with much regret.

THE notices and resolutions on the death of the Rev. Thomas R. Lambert, D. D., which occurred in February last, have appeared in pamphlet form. It includes notices from various papers and letters from W. E. Chandler and A. St. John Chabre and various memorials. Dr. Lambert served in the Navy as chaplain from 1833 to 1856, and he was the oldest Episcopal clergyman in Massachusetts. He was in pleasant social relations with Gen. Jackson, with Mr. Webster, with the late Sidney Bartlett, with Gen. Cass, with Senator Benton, with Edward Everett, with all the venerable admirals of the Navy, and his ministry in the Episcopal Church was marked at a very early period by so many popular characteristics that he became the companion of the most distinguished men of his communion. Comdr. A. G. O. Colby, U.S.N., was his stepson and W. H. Jaques, late of the Navy, married his niece.

THE Altoona, (Pa.) *Morning Tribune* has an extended notice of Capt. Daniel K. Reamey, the father of Lieut. Lazarus L. Reamey, U. S. N., whose death we noticed last week. He was the son of an Alsatian who came to this country when he was five years old and worked as a hammerman at the Forges, taking part meantime in the War of 1812. Daniel, who was born Aug. 23, 1812, after availing himself of such opportunities for earning money as our early settlements afforded, was apprenticed to a carpenter in 1828 and afterwards became a master builder. In 1856 he purchased the American house, and remained its landlord until February, 1886, since which time he has not engaged in active business. Mr. Reamey was a great traveller, had visited nearly every State in the Union, made no less than 15 pilgrimages to the far West and had paid a summer trip to Europe. He was once a captain in the militia and a member of the famous Hollidaysburg Grays, and during the War of the Rebellion gave freely of his time, services and means in aid of the Federal cause. June 29, 1842, Mr. Reamey married Mary, daughter of Lazarus Lowry. Of their six children four are living, viz.: Mrs. D. D. Morrell, of Henrietta; Mrs. L. S. Hoopes, of Hollidaysburg; Miss Mary R. Reamey, at home, and Lieut. Reamey. Mr. Reamey's wife died Oct. 17, 1870, aged 52 years. In October, 1877, he married Mrs. Mary E. Gardner. Of this second marriage there has been no issue. While rich in worldly wisdom Mr. Reamey was also possessed of that knowledge which savors of books. He was a student in geography and his mind was a veritable geographical chart.

#### GENERAL CULLUM'S BEQUEST.

THE generous bequest of the late Gen. Cullum for a Memorial Hall at West Point has come officially to the attention of the War Department authorities, and is now awaiting legislative action for putting the provisions of the will into effect, as will appear from the following communication sent to Congress by the President on the 26th inst.:

I transmit herewith a communication of the Secretary of War, dated May 24, from which it appears the late Gen. George W. Cullum, of the United States Army, has by will devised a quarter of a million dollars to the Government of the United States, for the erection of a Memorial Hall upon the grounds of the Military Academy at West Point, to be used as a receptacle of statues, busts, mural tablets, and portraits of distinguished deceased officers and graduates of the Military Academy, of paintings of battle scenes, trophies of war, and such other objects as may tend to give elevation to the military profession. This ample and patriotic gift is hampered by no conditions, and involves no appropriation beyond the sum so generously donated. The executors, in order to facilitate action, have prepared, and the same is herewith submitted, the outlines of a bill to carry into effect the provisions of Gen. Cullum's will.

There can be no occasion to urge upon Congress the immediate enactment of a suitable law to carry into effect the patriotic purpose expressed in the will.

I suggest that in the bill itself, or by a separate joint resolution, suitable expression be given of the public appreciation of this crowning service to the military profession, and to his country, rendered by Gen. Cullum.

#### LATE ARMY ORDERS.

A. G. C. M. is appointed at Whipple Bks., A. T., May 28. Detail: Maj. Benj. F. Pone, surg.; James H. Bradford, 11th Inf.; Capt. Ira Quinby, 11th Inf.; Leon A. Matile, 11th Inf.; 1st Lts. Pierce M. B. Travis, adjt., 11th Inf.; Clarence E. Dentler, 11th Inf.; Robt. J. O. Irvine, 11th Inf.; J. A. (S. O. 63, May 18, D. A.) 1st Lt. H. H. Sargent, 24 Cav., will accompany the battalion of the 24th Inf. from San Carlos to Ft. Huachuca, A. T., and then report for duty with his proper troop at that post. Leave for 15 days, to take effect about May 25, is granted Maj. Thos. McGregor, 2d Cav. Acting Hospital Steward Herman D. Lemke, Hospital Corps, now casually at Whipple Bks., A. T., will return to his proper station, Ft. Apache, A. T. (S. O. 62, May 18, D. A.)

Maj. Wm. Arbur, Pay Dept., relieved from temporary duty in Dept. of Platte and ordered to join station at St. Paul, Minn. (S. O., May 27, H. Q. A.)

First Lieut. Carroll A. Devo and George G. Aboarn, 25th Inf., ordered to exchange companies. First Lieut. Chas. H. Bonesteel, 21st Inf., ordered to examination before Board at Angel Island, Cal. First Lieut. Henry Robinson, 4th Inf., ordered before Promotion Board to be convened at Fort Spokane, Wash. Capt. Wm. H. Bisbee, 4th Inf., and Gilbert S. Carpenter, 14th Inf., and First Lieut. Geo. H. Gustine, 14th Inf., ordered before Promotion Board at Vancouver Barracks, Wash. Col. Wm. R. Gibson, Pay Dept., granted 3 months' leave (S. O., May 27, H. Q. A.)

LIEUTENANT M. G. ZALINSKI, 2d U. S. Art., has returned to duty at Ft. Warren, Mass., from a course of treatment at Hot Springs, Ark.

CAPTAIN MARSHALL W. WOOD, Assistant Surgeon, U. S. A., returned to Ft. Preble, Me., on Thursday of this week from a short leave.



## ORDNANCE NOTES.

The Howell torpedo lately lost by the Hotchkiss Company in Mackerel Cove had not been recovered at last accounts, and it is doubtful if it will be unless washed up by some unusual storm. This has caused a serious delay.

On April 30, the Builders Iron Foundry, of Providence, R. I., finished the last of the thirty 12-inch breechloading rifle mortars, which they were making for coast defence. The work was completed several weeks in advance of the time required by the contract.

The acceptance test of the diagonal armor for the battleships *Indiana* and *Massachusetts* took place at the Indian Head Proving Grounds May 21. The results were entirely satisfactory, and most gratifying to the Naval officials, as they show that armor plate manufactured in this country is beyond the experimental stage, and that we may now expect the construction of armored vessels to proceed without further delay. The plate tested was one of twenty 14-inch diagonal nickel steel plates manufactured by the Bethlehem Iron Co. for the battleships *Indiana* and *Massachusetts*, being the thickest armor plates in this country. The plate more than complied with contract requirements. None of the three shots fired succeeded in getting far enough into the plate to show the backing. All three shots rebounded, one of them back to the muzzle of the gun, a distance of 135 feet. The deepest penetration of any of the projectiles was 14 inches. The other two showed an inch or two less penetration. No cracks were developed. A 10-inch gun was used in the test. Two of the projectiles were the Firth, imported, and the third was made by the same process in this country. The latter was thrown out entirely unharmed. The projectiles weighed 500 pounds and the powder charge was 140 pounds, giving a striking velocity of 1,410 feet a second. Messrs. Davenport, Jaques and Meigs represented the manufacturers at the test, and Comdr. Folger and Lieut. Comdr. Couden were among the Ordnance experts present.

Nickel alloy for gun steel is another new departure about to be inaugurated by the Naval Ordnance Bureau. The experiment, or rather the first attempt (the Ordnance authorities do not doubt the results since the properties of nickel have been so fully and definitely established by the armor plate trials), will be made with an 8 inch gun. A contract will be entered into with the Bethlehem Co. in a few days for the necessary forgings for this gun, which will be like the type 8 inch gun, except that 3 per cent. of nickel will be added to the forgings, and uniformly distributed throughout the mass. The following are the minimum physical characteristics prescribed for these forgings:

	Tubes.	Jackets.	Hoops.	Plugs.	bands.	Trunnion
Tensile strength, lbs.	85,000	90,000	100,000	90,000	90,000	90,000
Elastic limit, lbs.	43,000	45,000	55,000	45,000	45,000	45,000
Elongation, per cent	20	18	18	18	18	13

This is an increase of about 15 per cent. over the conditions prescribed for ordinary gun forgings of steel, and it is estimated that the standard pressure limit can thereby be safely increased from 15 to 20 tons with a consequent increase of velocity of from 150 to 200 feet. It is the opinion of many Ordnance experts that the time is not far distant when nickel will be as generally used in gun construction as it is about to be in armor plates.

Engineering for April 29 publishes illustrations of the Gerdorn breech mechanism, of which it says: "A new mechanism has recently been devised by one of the mechanics at the National Foundry, which promises to supplant the interrupted screw system in guns of the smaller calibre, if not in the larger ones. It is being tried in a field gun, but the official result will not be arrived at for some time. The locking is done by an interrupted screw, and the motions of the block are two, one of rotation about the axis of the block and piece which locks or unlocks the block, and a second motion of revolution about a vertical axis. The motion of translation is entirely dispensed with. To open the block it is revolved 90 deg., thus unlocking the block, which is then revolved to the left to open it. The breech-block is carried by a carrier ring, which on its left side has attached to it a longitudinal piece, which serves as a hinge. The hinge-pin goes through the left side of the piece and through this longitudinal part of the carrier ring. The only other part of the block is the vent closer, which is a strip of steel, rectangular in longitudinal cross-section, and which slides in a radial slot. It is constantly forced outward by a spring, but in all, except the locked position of the block, its outer end presses against the carrier ring, while its inner end closes the vent. When the block is locked the vent closes, arrives opposite a slot in the carrier ring, and is forced by the spring outward into this slot, uncovering the vent and locking the block to the carrier ring, so as to prevent any tendency of the block to rotate when the piece is fired. To open the breech the vertical handle is revolved to the left and upward. There is a slight play allowed to this handle, so it rotates through several degrees before the block begins to move. During this period the vent is closed in the following manner: On this handle is a small key fitting into a slot in the vent closer. The revolution of the handle to the left causes the key to press against the vent closer, forcing it inward, closing the vent and unlocking the block from the carrier ring. As soon as this is done the handle arrives at the end of the play allowed and the block revolves. After a revolution through 90 deg. the screw threads are disengaged and the breech can be opened by revolving the block around to the left. The breech is closed by the reverse motion, first being swung around into place and then the handle is pressed downward. When the vent closer arrives opposite the slot in the carrier ring it is forced outward by the spring, with a snap, opening the vent and locking the block. The gas-check used is the Du Bange. A stop-bolt passing through the top of the carrier ring limits the rotation of the block to the proper angle. The whole mechanism is very simple and very ingenious, and will undoubtedly prove successful. It will require an exhaustive

test to determine whether it is advisable to replace the interrupted screw mechanism now in use by it."

## NEW PUBLICATIONS.

John Wiley and Sons publish a second revised and enlarged edition of "Elementary Lessons in Heat by S. E. Tullman, Professor of Chemistry, U. S. Military Academy." It is only within the last generation that the true nature of heat has been understood, and the study of solar physics taken its place among the sciences. Almost the first hint of the correct theory of heat was given by the American, Count Rumford, who would, had he consented, have been the first Superintendent of the Military Academy, from which issues the latest summary of the conclusion thus far reached as to what was so recently misnamed "caloric," and regarded as a substance, instead of what it is, a form of energy. The author of this work considers in his various chapters the subjects of "thermometry, dilatation of bodies, calorimetry, production and condensation of vapors, change of state, hygrometry, conduction, radiation, thermo-dynamics, terrestrial temperatures, aerial and aqueous meters." No one of these subjects is more than touched upon, and more was not to be expected in an elementary text book. Within its limitations it is a very useful volume, not alone for the students of the Military Academy, but for all who wish to have some intelligent conception of the latest acquisitions of science in this particular department.

Charles Scribner's Sons publish in two handsome octavo volumes Edward Whymper's work entitled "Travels Amongst the Great Andes of the Equator." The second volume is a "Supplementary Index" to the main work and contains contributions by fifteen F. R. Ss., F. Z. Ss., and other eminent specialists, who describe Mr. Whymper's collections of zoological and botanical specimens which include over 750 species of insects, many of them obtained at high elevations in the Andes and hitherto unknown. The descriptions do not include the whole of Mr. Whymper's collections. "Could the whole of our acquisitions be presented here," says Mr. W., "they would have demonstrated that the upper zones of Ecuador—even the tracts closely bordering the snow line—are far from lifeless. They would have exhibited forms the most extraordinary, of wonderful diversity; they would have defined the upper range of many species; and would doubtless have supplied many missing links." The purpose of Mr. Whymper's journey was to determine the conditions of life at great altitudes above the sea. The disturbances connected with the establishment of a scientific frontier for India turned him away from the Himalayas and he was debarred by the discoveries between Chili, Peru and Bolivia from travel in the highest Andes. Hence these observations, undertaken in 1880 in the mountains of Ecuador, the highest attainable. Cotacachi, Cotacachi, Corazon, Sinchobolus, Antisana, Poschobolus, Cayambe, Sara-Uru, Cotacachi, Carhuasirco were each ascended, the first of these peaks twice. The main volume consists of description of travel and adventures, some of it amusing and all of it quaint and curious. The highest elevations reached were the summit of Chimbarazo, 20,545 feet, and the summit of Cotacachi, 19,613 feet. There are over 200 illustrations in the two volumes from the drawing of a beetle to full-page engravings of magnificent mountain scenery. The volumes are in all respects a rare specimen of book making and they exhibit the results of a degree of energetic and toilsome research possible to but few men.

## CYCLE COURIERS FROM CHICAGO.

The interest in the couriers sent by cycle last week by Maj. Gen. Miles, from Chicago, with a letter to Maj. Gen. Howard, at Governor's Island, culminated in the arrival of the despatch at Governor's Island, at about 1 A. M., May 23. The first of the wheelmen left Chicago on Wednesday, May 18, at 1 P. M., and notwithstanding that the roads were generally execrable they covered the distance, 975 miles, in 4 days 12 hours and 55 minutes, 12 seconds, instead of, as they expected to do, in 4 days less 2½ hours. The last of the relay of couriers was Mr. H. Lansing Quirk, who was accompanied from Tarrytown by Mr. Clements of the Manhattan Bicycle Club. Maj. Gen. Miles, in the letter sent by the relay, said to Maj. Gen. Howard: "It is due to apprise you of the fact that during the last few weeks this region of country has been deluged by a most unusual rainfall, which has raised many of the water courses above their banks, inundated large tracts of land and some of the country roads are saturated to such a degree as to render transportation over them most difficult, and in such condition that military manoeuvres would be considered almost impracticable. This trial is therefore made under the most adverse circumstances; yet with fortitude undaunted the enterprise will be attempted by a class of the most intelligent, athletic young gentlemen, regardless of the difficulties to be overcome. Experience and observation have demonstrated the fact that this means of locomotion has been useful and beneficial, promoting the health, welfare and happiness of those in civil life, and it can be utilized for military purposes with great advantage. It is not only a means of conveying an individual with great rapidity over the country, but can be used in manoeuvring large bodies of men over a wide extent of country, and the result of this trial will demonstrate one feature of its military advantages."

Gen. Howard in acknowledging the receipt of the despatch adverted to the hardships, the endurance and the victories of the couriers.

The New York Herald in summing up the contest says: "It has proved that American bicycle riders are not duds, good for nothing but to show off in fancy suits and on smooth roads, but are resolute, strong and skilful, capable of rare endurance and of stoicking to their contract whatever it costs or however much it hurts. Think of that young man out in Indiana who had 38 miles of foot deep mud to go through at night alone, and in a pitiless rain storm, and who went through it at the rate of five miles an hour, although he had to walk 92 miles out of the 38 and push his machine as he went. And there were many like him! Of the 200 wheelmen who took part in the trial it is safe to say there was not one coward or one who would not in time of war have risked his life in a bicycle scouting expedition if called upon to do so."

## THE STATE TROOPS.

## SHALL THE N. R. A. BE ABOLISHED?

An important controversy has just arisen between the National Rifle Association of America and Brig.-Gen. B. M. Whitlock, General Inspector of Rifle Practice, N. Y., in reference to qualification and marksman's badge matches at Creedmoor range. Under date of May 12, Capt. John M. Shephard, Secretary of the N. R. A., wrote to the adjutant-general requesting that authority be given the National Rifle Association to hold matches at Creedmoor on Saturdays from July 2 to Nov. 12 inclusive, also on July 4, Sept. 5 and Nov. 8, in which members of the National Guard may win the State decorations as has been the custom in previous years, the matches of this year to be shot under the same conditions as previously. General B. M. Whitlock, G. I. R. P., to whom the request was referred May 14, returned the application with the following indorsement:

Respectfully returned to the adjutant-general and would recommend that the application be denied for the reason that in my opinion it is not proper for the State to award its decoration to individuals qualifying in matches held by any private association, and for further reason, that supplementary practice will be held on Saturdays in August, September and October, as well as on Labor Day, Sept. 5, after the close of the regular season, whereby members of the National Guard will have ample opportunity to qualify as marksmen and sharpshooters under proper supervision.

The adjutant-general returned application to the Secretary of the N. R. A. inviting his attention to endorsement of General I. R. P.

It seems to us that Gen. Whitlock overlooks the fact that the National Rifle Association is not in a strict sense a private association, inasmuch as its purposes are wholly public and no profit accrues to any of its members from its operations. The General Inspector of Rifle Practice owes his existence as such officer to the labors of the N. R. A., and to its efforts are clearly due the progress in rifle practice of recent years, not only in the N. Guard, but in the Regular Army.

From the matches inaugurated on its grounds at Creedmoor an immense amount of good resulted. Rifle clubs sprang up all over the country. Gun manufacturers were put on their mettle to produce the finest of weapons and sights, and lessons learned that have proved of immense value in many ways. It is due to the N. R. A. that the State of New York has any system of target practice for its troops, and while in latter years the management on the range has not been all that could be desired, endeavors should be made to strengthen the association and add any necessary reforms, instead of trying to smother it.

The State recognized the quasi public character of the N. R. A. when it contributed \$25,000 for the purchase of Creedmoor. It further recognized it when it authorized the cities of New York and Brooklyn to each pay \$5,000 annually to support the association. This amount was obtained for two years from New York City, and was then cut off by the amendment to the State Constitution, which forbade such expenditures. Gen. Whitlock would be entirely in the line of official precedents in doing everything he could to encourage and assist the N. R. A. He makes a radical departure from such precedent when he takes measures to destroy it. Gen. Whitlock is no doubt actuated by consideration for the Guard, but the benefits to be derived from his action are so trifling that it is a serious question whether the plan should not be discarded and the N. R. A. allowed to give the matches as formerly.

Members of the Guard under Gen. Whitlock's plan pay some 70 cents for their transportation. Under the auspices of the N. R. A. a man desiring to qualify in a marksman's badge match was charged twenty-five cents on entry, and for a sharpshooter's match \$1 for three entries. In the latter match, however, a number of cash prizes were offered and a special medal. The transportation was obtainable at the reduced rate of fifty cents, and the majority of men brought their own ammunition, usually obtained free in their armories.

## QUINN'S COURT-MARTIAL.

The second session of the General Court-martial to try Capt. L. C. Quinn, Co. I, 69th N. Y., charged with conduct unbecoming an officer and a gentleman, was held at the 251 West Armory May 19. Lawyer Duffey testified in regard to sending letters to Capt. Quinn with reference to paying money due Mr. Stoll for medals furnished Co. I. The captain, it was said, made many promises which he failed to keep, and a suit followed. Lieut. Healy, Co. I, testified to the effect that the company was unaware of any suit being brought against it or Capt. Quinn until an article to this effect appeared in a paper. The company felt indignant when they heard the allegation, especially as they had assumed the jeweller's bill against the company had been paid by Capt. Quinn, who had been given funds for this purpose. Lieut. Healy also testified that the article in the paper in question when read at the company meeting was denounced by Capt. Quinn as a lie; that he had paid Stoll, the jeweller, and that no action had been entered against him. Capt. Quinn, it was further stated, said he would at once engage Col. Asa Bird Gardner as his counsel, and enter suit against Lawyer Duffey, Mr. Stoll and the newspaper. Lieut. Healy also testified that the company later getting proof that the money in question had not been paid as Capt. Quinn had repeatedly asserted, the matter was again brought up to the captain, whom it was said, finally acknowledged he had acted wrong, was sorry and promised to make amends.

Capt. Coleman, counsel for Capt. Quinn, raised innumerable objections, and endeavored to introduce testimony having no bearing on the case. He asked the lieutenant if he knew Capt. Quinn's wife, but before the audience was enlightened on this subject the court ruled the question out. Capt. Coleman objected to the newspaper article. He cited a case relative to the Tower of London, and offered to read the court some law from a formidable array of books, to which the court objected. Capt. Coleman's main effort seemed centered to getting evidence that the charges were the result of animus. He did not succeed in this, however.

Lieut. Healy was a good witness, giving his testimony clear and without any hesitancy. Corpl. Molohan and Sergt. Dempsey gave testimony similar to Lieut. Healy. Both were intelligent witnesses. It was further stated, however, that the full amount turned over to Capt. Quinn as treasurer of the company, in connection with the athletic games, was \$55.27 for only a portion of which he had accounted for with vouchers. The remainder of the money, it was said, was accounted for by Capt. Quinn in the vague report that he had spent it in the interest of the company. The court adjourned until May 25.

The session of the court on May 25 was devoted entirely to the defence. Captain Quinn took the stand, and he admitted that he had denied owing money to Mr. Stoll for medals furnished Co. I because of moral cowardice. He declared, however, that he had not



used any of the company's funds for his own use, and that he had vouchers for all expenditures. Capt. Luscomb, a member of the court, questioned the witness as to certain expenditures and vouchers, and the judge advocate on figuring the amounts in question could not make them agree. Capt. Quinn's statement of a balance over of \$22 was not supported by his own evidence. A letter was read from Gen. McGrath, Inspector-General, to the effect that Capt. Quinn was the best captain in the regiment. Capt. Ryan and others testified to the honesty and veracity of Capt. Quinn. The court adjourned until June 1, when Capt. Coleman will sum up.

#### Fourteenth New York.—Col. Harry W. Mitchell.

The regiment assembled at the armory on the evening of May 23 for review and presentation of long service medals, and to celebrate the thirty-first anniversary of its muster into the U. S. service. The active regiment was formed for review with two battalions of five companies each of twelve files. The 1st battalion was commanded by Lieut. Col. T. C. Clowbridge; Adj., Lieut. C. W. Bridger; Serjt. Maj., Sergt. Stevenson. The 2d battalion was in command of Maj. B. S. Steen; Adj., Lieut. T. H. Avery; Serjt. Maj., Sergt. Garcia. After ranks were opened the war veterans of the old regiment in command of Gen. E. B. Fowler marched into the drill hall and were received by the active regiment, the salute to the colors being rendered amid great enthusiasm.

After a review by Gen. McLeer came a dress parade and presentation of long service medals. A largely attended reception followed, and concluded an enjoyable evening's entertainment. Among the guests were Gen. F. H. Briggs, Lt. Col. John B. Frothingham, Maj. W. H. A. Cochran, Col. H. C. Clark, Surg. D. F. Lucas, Captains Schoenbeck, Pratt and Russell; Capt. J. S. Sheppard and Lieut. E. T. Kraft, 23d Regt.; Col. F. G. Eddy, Lt. Col. W. H. Hubbell; Capt. Christoffel, Eddy, Quick, Libby, Hart and Adj. Barnes, 47th Regt.; Capt. H. S. Resquin, 3d Battery, and others.

#### NEW MEXICO.

RECENT orders from Adj. Gen. Stryker announce that the Merriam Pack has been adopted for the use of the National Guard of this State in place of the knapsack now in use.

The following assignment of medical officers is announced: Lieut. Col. Mortimer Lamson, medical inspector, to the 1st Brigade, and Lieut. Col. Edmund L. B. Godfrey, medical inspector, to the 2d Brigade.

Orders of May 10 prescribe the full dress for enlisted men of the gun and signal detachments, and rescind the order prescribing a forage cap, without visor, to be worn by gun detachments on fatigue duty. G. O. S. current regulations prescribe the manual for gun detachments, to be drilled in the use and practice of howitzers or other similar guns, compiled and revised by Capt. Shailer, 3d Regt.

The date for the opening of the annual encampment at Sea Girt is said to be July 9. The 2d Brigade will occupy the camp for seven days.

The 1st Brigade will take part in the Paterson bi-centennial on July 4. President Harrison is expected to be present.

#### Fourth New Jersey.—Col. P. F. Wanser.

The regiment assembled for annual inspection and muster at its armory in Jersey City on Tuesday evening, May 24. Owing to the contracted drill hall it was impossible for form the regiment in line. Co. A, Capt. J. Howard Burnstead, Jr.; C, Capt. John Graham; D, Capt. John N. Burns; E, Capt. Robt. G. Smith, and F, Capt. Jos. H. Brensinger. Each paraded 100 per cent. The regiment was inspected by Maj. Chas. Boltwood, assisted by Maj. Lewis H. Broome. The regiment is in great need of an adequate armory. There seems to be a great lack of action in the State in the matter of providing suitable armories for its troops. If the State expects the National Guard to be in a proper condition it should provide suitable quarters, with the needed facilities for drilling, equal to that of other progressive States. After the inspection the guests were invited to the officers' quarters, where a collation was provided. Gen. Mortimer Lamson, on behalf of the officers of the regiment, presented a handsome gold watch to Col. P. F. Wanser on the 32d anniversary of his connection with the regiment. Col. Wanser becomingly responded. The following is the number of men present and absent, with a comparison with the year 1891:

	1892				1891			
	Present.	Absent.	Tot.	Ag.	Present.	Absent.	Tot.	Ag.
F. and S.	11	11	22	11	11	12	23	12
N. C. S.	9	9	18	9	9	9	18	9
C. A.	3	66	69	—	69	62	—	62
Co. B.	3	54	57	3	59	56	—	56
Co. C.	3	54	57	—	59	45	10	75
Co. D.	3	63	66	—	66	67	—	67
Co. E.	3	54	57	—	57	60	—	60
Co. F.	3	54	57	—	67	60	—	60
	29	366	395	3	398	391	10	407

#### Fifth New Jersey.—Col. Levi R. Barnard.

The 5th Regiment were inspected at their armory in Newark, N. J., on Friday evening, May 20. The regiment was formed in line with six companies by Adj. Jas. J. Dooner, and turned over to Lieut. Col. Jenkins. The guides were poorly posted; some of them faced each other when they should have all faced the point of rest. There was not enough distance between the companies when in line. The manual of arms was fairly done. At the command companies right, some of the captains attempted to dress their commands from the left flank instead of the right. In dressing, many of the men did not look towards the point of dress, nor did the men raise the left elbow to gain the proper interval. The companies were inspected by Maj. Chas. Boltwood, assisted by Capt. A. B. Wallace, A. D. C., 1st Brigade. The inspection showed the uniforms, arms, clothing, etc., to be in good condition, but the men should be steady when at attention. Among the military men present were: Col. Wanser and Lieut. Col. Hugh H. Abernethy, 4th Regt.; Lt. Col. Chas. Erlenkotter and Adj. Wm. J. O'Toole, 2d Regt.; Lieut. Col. Edw. H. Snyder, 3d Battal. The following is the number of men present and absent, with a comparison with the inspection of 1891:

	1892				1891			
	Present.	Absent.	Tot.	Ag.	Present.	Absent.	Tot.	Ag.
F. and S.	9	9	18	9	9	9	18	9
N. C. S.	8	8	16	8	8	8	16	8
Co. C.	2	59	61	—	11	11	22	11
Co. D.	2	51	53	—	6	6	12	6
Co. E.	3	59	62	—	3	3	6	3
Co. F.	2	51	53	—	3	3	6	3
Co. G.	2	52	54	—	7	7	14	7
Co. H.	3	59	62	—	1	1	2	1
	23	339	362	1	31	32	63	40

#### Third Battalion, N. J.—Lieut. Col. Snyder.

The 3d Battalion has every reason to be proud of its Gun Detachment, and that it is a splendidly drilled organization was amply demonstrated at the exhibition drill of the detachment given at the armory in Orange on the evening of May 21. The detachment is composed of a bright lot of young men who are enthusiastic in their work, and are under a perfect state of discipline. Lieut. W. L. Fish commands the detachment, assisted by Sergt. W. R. Adams and Corp. O. H. Condit. There are 16 privates in the detachment. After a march in column of fours and an advance in line, perfectly executed, the position of front open files was taken for sabre drill. This exhibition was finely performed, the cuts, parries, thrusts, etc., being executed with a vim and with surprising union. A drill by the Cadet Corps, in charge of Capt. A. F. Smith, followed, the

youngsters showing a most intelligent knowledge of the new drill. The Gun Detachment, with its 3 inch breech-loading naval Howitzer, next went through a gun drill. Friction primers were used with dummy projectiles. The piece was fired to the front and rear and to the right and left, the service of the piece and firing averaging 11 seconds. The gun and carriage was dismounted and mounted several times, the quickest time being dismounting piece and carriage and lying down, 11 seconds, and mounting carriage and gun, 14 seconds. The piece was also fired with diminished numbers. A rally was made round the gun, the men using revolvers with blank ammunition. The firing was well done. The drill throughout was a fine piece of work. The men were active and attentive and thoroughly up in their duties.

#### MASSACHUSETTS.

ADJUTANT-GENERAL DALTON, under date of May 18, reminds officers "that the new drill regulations render obsolete the rank of captains in regimental line and provide for battalion formation of a regiment from right to left, according to seniority of majors. Captains take position in line of a battalion according to their seniority." Gen. Dalton also says: "Regimental rifle matches will be shot during encampments unless otherwise ordered by the Inspector-General of Rifle Practice. All encampments of the militia will be laid out and pitched in accordance with drill regulations."

Co. E, 6th Regiment of Infantry, having fallen below the standard of efficiency, is disbanded.

#### OREGON NATIONAL GUARD.

The 1st Regiment of the Oregon National Guard gave a reception on the evening of May 23 in their new and spacious armory to the officers of the United States Fleet lying at Portland, in the waters of the Willamette. Col. Charles F. Beebe, the commander, and his regiment won the hearty applause of the numerous spectators seated in the galleries of the armory by the efficiency of their drill. Col. Beebe is a graduate of the New York 7th Regiment. Col. Summers stirred the enthusiasm of the audience by saying that for a score of years Portland had only been visited by British war vessels, all flying the Union Jack, while citizens had looked in vain for naval cruisers flying the Stars and Stripes.

#### NAVAL BATTALIONS.

##### NEW YORK.

MR. WILLIAM H. JAGUES, (late lieutenant, U. S. N.,) ordnance engineer of the Bethlehem Iron Works, Pa., delivered an interesting address before the Naval Reserve Association on "Gun and Armor Making" (illustrated by lantern views), at Hodgson Hall, S. E. corner of 5th avenue and 45th street, on Wednesday evening, under the auspices of a committee consisting of Nicholas L. Roosevelt, chairman; George H. Church, Edward W. Humphreys, and Lieut. Arthur P. Nasro, U. S. N.

The 1st Battalion, in command of Lieut. Comdr. Miller underwent instruction at Castle Garden on the afternoon of May 21. It was to have gone to the navy-yard, but the incessant rain made this impracticable. The battalion was organized as a naval brigade, and were drilled by Comdr. Miller in preparation for Memorial Day parade. The command marched in column of companies, formed square, marched to front and rear and the flanks, etc. In rehearsing the passage the salutes of officers and non-com. staff were poorly rendered at first, but after being given some pointers by Comdr. Miller a great improvement was manifest. All officers, however, should remember to look towards the reviewing officer in saluting. The drill as a whole, was a good one. Adjutant Kent has taken particular pains to have a number of obscure points in the new naval drill officially decided, and several of his ideas in formation have been endorsed by a member of the Drill Board. Governor Flower having signed the new Naval Militia bill, the Naval Reserve of New York is now a part of the National Guard, with all its rights and emoluments. The new law completely changes the organization from a naval reserve into an organized ship's company. The State will in future furnish the members with uniforms and other accoutrements, and when they are out on State service they will draw the same pay as the land forces. The battalion hope to have a suitable armory and training ship at an early date.

#### MASSACHUSETTS.

On Tuesday evening, May 24, after dress parade, the 1st, 2d and 3d divisions marched out of the armory to Commonwealth avenue, where Commander Soley exercised the battalions in street formations and riot drill. The 1st division acted as artillery, the other two as infantry.

On the same evening the 4th division, Lieut. J. W. Weeks, was inspected by Col. Chase, A. I. G.

On Tuesday, May 31, there will be no drill, but on Saturday afternoon, June 4, the battalion will drill for the first time this season on Charles River in the boats which will be brought up from the Navy-yard.

Lieut. John T. French, Jr., 4th U. S. Art., and Lieut. E. E. Hardin, 7th U. S. Inf., have been detailed by the Secretary of War for duty at the New York Camp of Instruction, at Peekskill, N. Y.

The North Carolina Naval Reserve will have a drill at the mouth of the Cape Fear River in July. The Naval Battalion in San Francisco are trying to get the Navy Department to assign them a hulk for an armory. The torpedo company at Bristol, R. I., is now supplied with several boats.

#### COMING EVENTS.

We have received notification of the following:

May 28.—Athletic games, State Fencibles, N. G. Pa., Philadelphia.

June 2.—Closing drill and reception, 13th Regt. Cadet Corps, at armory, 8 p. m.

June 7 to 11.—Camp of the 1st Brigade, Mass. V. M., at South Framingham.

June 18.—Opening of the Camp of Instruction at Peekskill, N. Y.

July 5 to 9.—Naval Battalion, Mass. V. M., on U. S. S. *Wabac*, Charlestown Navy-yard.

July 12 to 16.—Camp of 1st Corps of Cadets, Mass. V. M., at Hingham.

July 19 to 23.—Camp of 2d Brigade, Mass. V. M., at South Framingham.

August 9 to 13.—Camp of 3d Corps of Cadets, at Essex, Mass.

#### VARIOUS.

Co. E, 47th N. Y., will have a closing star racket on the evening of June 7. The social event will be preceded by a competitive drill in which a prize will be awarded to the best drilled private.

We have received from Adj. Gen. Samuel Dalton, of Massachusetts, and Adj. Gen. Edgar J. Pocock, of Ohio, copies of their report for the year 1891. Both reports contain much of interest and value.

Permission has been granted the 6th Sep. Co., of Troy, N. Y., to enter the State of Massachusetts armed and equipped as a military body, June 4 to 8, for the purpose of attending the annual celebration of the anniversary of the Ancient and Honorable Artillery Company.

Various rumors have appeared relative to the detail of officers at the Camp of Instruction, New York, none of which are authentic.

"The Maryland National Guard," is the subject of an article by Hanson Hiss, in *Outing* for May. It is one of a list of similar articles published in that excellent magazine. Fine illustrations and portraits lend additional value to a most readable article.

The 33d N. Y., Col. Clark, was mustered out of the Service (with the exception of Cos. F and K) at its armory in Brooklyn, May 26, 1892. Maj. Cochran, 2d Brigade, attending to the details. Companies F and K marched to the 13th Regiment armory, to which organization they have been transferred.

The first public inspection of the signal corps of the 2d Brigade, N. G. N. J., was held at Red Bank, N. J., May 20. The corps is of recent organization, and comprises 30 young men, commanded by Capt. Thos. A. Curtis. The corps paraded through the streets to the public square, where the drill and inspection were held. At the conclusion of the inspection a detachment of the corps went to Highland Hill, several miles away, and engaged in signal practice.

Col. Seward, 9th N. Y., directs the regiment to parade for rifle practice at Creedmoor as hereinafter named: 1st Battl., Cos. B, R, K and D, Wednesday, June 1; 2d Battl., Cos. A, I and E, Thursday, June 2; 3d Battl., Cos. F, H and C, Friday, June 3. Assembly at armory, 6.30 A. M. One prize, value \$50, is offered to the company securing the greatest number of marksmen during the entire season. The "Seward Trophy," to be held for one year by the company making the largest figure of mark on the regimental tally, is offered, and to become the property of the company winning it for the third time.

Col. Appleton, 7th N. Y., directs the regiment to assemble for rifle practice and proceed to Creedmoor by divisions, as follows: Cos. C and H, Monday, June 13; G and B, Tuesday, June 14; E and F, Wednesday, June 15; A and D, Thursday, June 16; I and K, Friday, June 17. Assembly at 7.10 A. M. Train leaves Long Island City at 8 A. M. The annual competition for the O'Donoghue trophy will take place on the above days. More than two-thirds of the members of the regiment having voted in favor of a black leather legging as a part of the fatigue uniform of the regiment, and the Board of Officers having recommended its adoption, and the Commander-in-Chief having approved of the same, the Bill of Dress of the Regiment is amended accordingly, and such legging will hereafter be a lawful part of the uniform of the regiment.

Col. W. H. H. Russell, 7th Regt., California National Guard, has been placed in arrest, and an order has been issued for his Court-martial. The charges were preferred by Lieut. H. D. Alfonso, of the same regiment, and were the outcome of a heated discussion between him and the colonel at the armory. The 1st charge is "conduct unbecoming an officer and gentleman." The specifications set forth that Col. Russell used threatening language and gestures toward the lieutenant. The language quoted is: "That is none of your business, and if you say anything more you do so at your peril." At the same time Col. Russell advanced in a threatening manner, placed his left hand in or near his overcoat pocket, and the right hand under his coat toward his hip pocket, apparently for the purpose of drawing a concealed weapon. The second charge is for "conduct prejudicial to good order and military discipline."

#### ANSWERS TO CORRESPONDENTS.

J. M. C.—You stand No. 35 on commissary sergeant list.

Private asks: Can retained pay due soldier be used towards the purchase of discharges? Ans.—Yes.

Demosthenes asks: I was tried by Summary Court-martial for a small breach of discipline. The officer who tried me approved of the sentence also. Is such a course legal? Ans.—Yes.

P. B. W.—Write to the Adjutant, U. S. Military Academy, West Point, N. Y. Official Manual of Guard Duty can be obtained from J. Q. Rice, Washington, D. C. See advertisement in ARMY AND NAVY JOURNAL.

C. D.—Boys between the ages of 16 and 18 years cannot be enlisted in the U. S. Army except as musicians or to learn music; and then only after their aptitude for such duties has been duly ascertained, and when the applicant is wanted to fill a known vacancy.

Eppregill.—It is scarcely possible, one might almost say impossible, for a soldier of the Regular Army, 23 years of age, to be admitted to the U. S. Military Academy as a cadet. But it is quite possible for him to rise from the ranks to a commission. Ask your captain or your 1st sergeant to show you the laws and regulations governing promotion from the ranks.

#### Military Order of the Loyal Legion.

The menu card gotten up by the California Commandery of the Loyal Legion on the occasion of its 21st anniversary is one of the handsomest we recall to have seen for many a long day. Appropriately and tastefully ornamented and beautifully printed, it is indeed a gem.

In observance of the seventh anniversary of its organization, the Minnesota Commandery will tender a reception and supper to the ladies and families of the companions, and officers of the Army and Navy, at the Hotel Ryan, St. Paul, Tuesday evening, June 14.

#### THE WHALEBACK STEAMER.

In a paper on whaleback steamers, read before the Institution of Naval Architects by Mr. F. C. Goodall, he said: "As compared with vessels of the ordinary cargo-carrying type, the principal advantages of a whaleback steamer are: Firstly, less surplus buoyancy is required; or, in other words, a vessel of a given tonnage will carry more dead-weight cargo. Secondly, owing to the shape above the load line, together with the circumstance of the engines being placed aft, the whaleback is stronger than the ordinary tramp boat, presuming, of course, that the scantlings are similar.

Thirdly, the reduced amount of superstructures gives a reduced air and wave resistance.

"Looking at the whaleback steamer as a type, I venture to say it possesses many structural and commercial advantages over the ordinary cargo boat, as now built in this country. I would like to draw your attention to the fact that the low rates of freights which are paid on the American lakes, taken together with the higher wages of the crew, conclusively prove that the vessels do their work very economically, carrying large cargoes at fair speeds and on a low consumption. The introduction of a similar type of vessel for the general overseas carrying trade seems, therefore, merely a matter of time." The objections urged are that the reduced spare buoyancy increases the danger of sinking. Still, as Mr. Goodall says: "The question of spare buoyancy is a complex one, and one which has been largely, and is continually, employing the minds of naval architects. Theoretically speaking, it is well known that a vessel with only 1 per cent. of spare buoyancy would be unsinkable if it were absolutely impossible for the water to get access to her." The absence of masts is another objection urged.



A CORRESPONDENT requests us to publish the following, which we permit to pass, in spite of its halting lines, understanding full well the difficulty of giving free expression to the emotions that attend the discovery of lack of respect for the soldier's stomach. Our correspondent informs us that it is the result of the cook's experience in making shadow soup.

Our cook he is a graduate of that mystic cooking school, Whose instructions tend to make a man the darndest of d—d fools.  
He's a splendid hand at baking cake, Oriental cake preferred,  
But another one like this and in his grave he's sure to be interred.  
He tries his hand at hash, and is making quite a spurt,  
But if it comes three times a day, then some one will be hurt.  
He found a greasy pair of pants to cook, and did it quite too well,  
For what was pants and what was soup 'twas deuced hard to tell.  
Now do not think our cook is nothing but a fake,  
For when it comes to boiling pants he's sure to take the cake.

#### FOREIGN ITEMS.

The Royal Naval Exhibition in London has voted \$250,000 for a charitable fund.

In the Thames Police Court a man complained that his son, only 14½ years of age, had enlisted into a Fusilier regiment at Aldershot. There is no minimum limit as to the age of enlistment in the British Army.

M. DE FREYCINET, French Minister of War, May 21, submitted to the cabinet bills providing for a heavy increase in the army reserve by decreasing the length of service in the territorial reserve, and for the introduction of younger blood into the higher grades of officers by arranging for the retirement of older officers.

Mr. MAXIM's flying machine appears to be an aeroplane, with a car attached underneath; the supporting surface being about 5,500 square feet, and the angle of inclination 1 in 14, or 5 deg. 43 min. The weight of the machine, engines, passengers, fuel, etc., is 5,000 lbs., and, as he can carry 14,000 lbs.,

there is some 9,000 lbs. of weight to spare. The engines are extraordinarily light, weighing only about 13 lbs., and perhaps less, to the horse power. The push of the two screws is 1,000 lbs. when 120 horse power is used; this would, with a 5 deg. 43 min. inclination, give a speed of about 45 miles per hour for motion on a level. The steam generator is self-regulating, has 48,000 brazen joints, and is heated by 45,000 gas jets, the gas being made from petroleum. Mr. Maxim is very sanguine as to its success. Mr. Maxim is quoted as saying: "If I can rise from the coast of France, sail through the air across the Channel, and drop half a ton of nitro-glycerine upon an English city, I can revolutionize the world. I believe I can do it if I live long enough. If I die, some one will come after me who will be successful if I fail. \* \* It can be done as sure as fate. I have spent \$45,000 already upon it, and I did not enter upon the work until I was convinced that the idea was practical."

FROM Montevideo comes the report that the Brazilian double-turreted armored seagoing vessel *Solimoes* while conveying the flotilla carrying troops to quell the rebellion in the Brazilian State of Matto Grosso, struck a rock off Polonio Island, near Point Negra Castillos. The sea was very rough at the time. All the crew were under hatches, except four sailors and the pilot. Two of the sailors noted as lookouts; the other two were at the wheel. Through the immense hole made in her hull the water rushed so fast and furious that the vessel sank almost immediately. Of all her crew only the four sailors who were on deck saved their lives. The pilot also escaped. 125 men were lost, including Capt. Castrot. The unfortunate men did not even get a chance to gain the deck. They were drowned like rats in a hole. As the water poured in the victims seemed instantly to realize their danger and made a frantic but unavailing effort to dash open the hatches. Their cries were heartrending. The *Solimoes* was built of iron in England and launched in 1875. Her displacement was 3,700 tons. She had a double bottom; but there were few watertight compartments below the water line, and when the hole was knocked in her hull she went down like a cracked iron pot.

#### A GROSS MISSTATEMENT.

A MAN by the name of C. B. Dudley, who claims to have some reputation as a chemist, has recently made some analyses of anti-friction metals, among which is the Magnolia Metal.

There are gross errors in the analysis of Magnolia Metal, and those of other anti-friction metals are incorrect.

If these analyses are instances of his skill as a chemist, it would be well for the public for him to quit the business.

Below is a statement of eminent authority on anti-friction metals bearing out the above statement.

MAGNOLIA ANTI-FRICTION METAL CO.

30 WALL STREET, NEW YORK, May 1, 1892.

In the analysis of Magnolia Metal, Dr. Dudley has overstated one constituent part, and has omitted tin (which it always contains), and other materials. On the same page is given an analysis of antimonial lead, which may be correct; but not an ounce of this is ever used in Magnolia Metal.

Respectfully yours,

H. G. TORREY,

(U. S. Assayer in U. S. Mint service, New York).

BY-THE-BYE.

"For the past two weeks the Executive Committee of the American Newspaper Publishers' Association have been testing the merits of the various makes of typewriters with a view of ascertaining which is the best machine for use in newspaper offices, and recommend its adoption by the members of the Association. Nearly a dozen machines were tried and very careful tests were made. The decision of the committee, rendered last Wednesday, was that the Remington machine is superior to all others in almost every point, and the report further urges members who are not already using Remingtons to procure them at once as being the best, most durable and most economical typewriter on the market. The thoroughness of the test, and the high standing of the gentlemen who compose the committee, and the wide influence of the Association, combine to make this one of the most highly flattering tributes ever paid to the merits of a typewriter."—New York Journalist, May 14, 1892.

### A PROPOSITION.

Do you find it difficult to obtain writing paper that, in every respect meets with your approval? If so, we are led to believe you have never seen our popular papers.

Boston Linen (for society correspondence)

Boston Bond (for foreign correspondence)

Bunker Hill (for every day correspondence),

Superior in quality. Moderate in price.

We make these papers in ALL the leading sizes, antique or smooth finish with envelopes to match, for society or business correspondence.

Our Proposition. Ask your Stationer for these papers and insist on having them. If he does not keep them and will not get them for you, send us your address and we will forward you our complete samples, representing over 250 varieties.

SAMUEL WARD COMPANY,

(Incorporated),

Paper Merchants, Stationers, and Engravers,  
49 & 51 FRANKLIN ST., (Entire Building)  
BOSTON, MASS.

Gentlemen:

WE MAKE FINE

MILITARY CLOTHING,

HEADWEAR, SWORDS, AND ALL

Equipments

FOR

Army, National Guard,

AND ALL UNIFORMED ASSOCIATIONS.

Also all goods used by

SECRET SOCIETIES.

We shall deem it a privilege to name you

prices.

G. F. FOSTER, SON & CO.,

(Established 1807.)

172 MADISON STREET, CHICAGO, ILL.

**KNABE**

PIANOFORTES.

UNEQUALLED IN

Tone Touch, Workmanship, and

Durability.

WILLIAM KNABE & CO.

BALTIMORE: NEW YORK:

214 & 24 E. Baltimore St. 148 5th Av. n'r 20th St.

WASHINGTON: 317 Market Space.

Piso's Remedy for Catarrh is the

Best, Easiest to Use, and Cheapest.

**CATARRH**

Sold by druggists or sent by mail,

80c. E. T. Hazeltine, Warren, Pa.



None  
Such  
CONDENSED  
Mince  
Meat

Contains No Alcoholic Liquors.

Makes an every-day convenience of an old-time luxury. PURE and wholesome. Prepared with scrupulous care. Highest award at all Pure Food Expositions. Each package makes two large pies. Avoid imitations—always insist on having the

NONE SUCH brand.

If your grocer does not keep it, send us (or stamps) for full size package by mail, prepaid.

MERRELL & SOULE, Syracuse, N. Y.

Our "TRUE APOLLO RING"

is the thinnest ground Razor made, and needs

but little stropping. If you want to

own and use the best Razor it is

possible to make, send us an order for this one

at \$2.00.

WIDTHS.

N & X in.

We carry a great variety of Razors, but have selected

this one as the most desirable we or any one can offer.

This is a ROYAL RAZOR, believe us.

Sent by mail, Postage paid.

ALLING & LODGE, MADISON, IND.

Orders received by mail from members of

the Army and Navy for Razors will receive

special attention in selecting, and will be

sent registered, thus insuring against loss

when parties mention the ARMY AND NAVY

JOURNAL in ordering.



FOR HARNESS, BUGGY TOPS, SADDLES

Fly Nets, Travelling Bags, Military

Equipments, Etc.

Gives a beautiful finish, which will not peel

or crack off smut or crook by handling.

Sold by All Harness Makers

PATENTS.

GLASCOCK & CO.,

606 F ST. N. W.

WASHINGTON, D. C.,

The ARMY AND NAVY Attys.

Send for Circular.

*Finney Bros*

HIGH CLASS BRAND.

"LATEST ENGLISH"

CIGARETTES.

A Perfect Smoke.

FOR SCROFULA

and for

the cure of all

scrofulous diseases,

the best

remedy is

Ayer's Sarsaparilla

Cures others, will cure you

Arnold, Constable & Co.

SPRING COTTONS.

D. & J. ANDERSON'S

ZEPHYRS.

STRIPE, CHECK, AND PLAID STYLES in Fresh and Bright Colorings.

Freres Koechlin's Cottons, Printed Organdies,

EMB'D AND PRINTED MULLS, PLAIN AND STRIPE BATISTE.

PRINTED SHIRTINGS, FIGURED CREPES.

White and Colored PIQUES.

BROADWAY AND 19TH ST. NEW YORK.

The Midvale Steel Company.

Steel Forgings and Castings of  
Highest Quality.

NICETOWN, PHILADELPHIA, PENN.

MINNES'

ENGLISH

PATENT METALLIC COMPOSITION

AND "PROTECTIVE COATING" FOR BOTTOMS OF STEEL AND IRON SHIPS.

In use by all the Principal Lines of European and American Steamers and Steam Yachts.

It is the "fastest" coating for Ships or Yachts.

GEORGE N. GARDINER, Sole Agent for the U. S.

Telephone Call, 3070 Cortlandt. 53 SOUTH ST., NEW YORK.

The Pratt and Whitney Comp'y,

Manufacturers of

THE PRATT AND WHITNEY MACHINE GUN.

IMPROVED GARDNER; plants of machinery for Armories Sewing

Machine Factories and every description of machine tools.

Including small tools and fixtures for general work. Special ma-

chines and tools made to order. Catalogues sent on application.

HARTFORD, CONN. U. S. A.



## DEER PARK AND OAKLAND.

To those contemplating during the coming summer a trip to the mountains in search of health or pleasure, Deer Park, on the dome of the Alleghany Mountains, 3,000 feet above the sea level, offers such varied attractions as a delightful atmosphere during both day and night, pure water, smooth, winding roads through the mountains and valleys, and the most picturesque scenery in the Alleghany range. The hotel is equipped with such adjuncts conducive to the entertainment, pleasure and comfort of its guests, as Turkish and Russian Baths, swimming pools for both ladies and gentlemen, billiard rooms, superbly furnished parlors, and rooms single or en suite, and unexcelled cuisine and superior service.

The surrounding grounds as well as the hotel are lighted with electricity, have cosy and shady nooks, meandering walks, lawn tennis courts and grassy play grounds for children within full view of the inviting verandas. Six miles distant on the same mountain summit is Oakland, the twin

resort of Deer Park, and equally as well equipped for the entertainment and accommodation of its guests. Both hotels are upon the main line of the Baltimore and Ohio Railroad, have the advantages of its splendid vestibuled Limited Express trains between the East and West, and are, therefore, readily accessible from all parts of the country. Season Excursion tickets, good for return passage until October 31st, will be placed on sale at greatly reduced rates at all principal ticket offices throughout the country. One way tickets reading from St. Louis, Louisville, Cincinnati, Columbus, Chicago and any point on B. and O. system to Washington, Baltimore, Philadelphia, or New York, or vice versa, are good to stop off at either Deer Park or Oakland, and the time limit will be extended by agents at either resort upon application.

The season at these popular resorts commences June 23d. For full information as to rates, rooms, etc., address George D. Deshields, Manager, Deer Park or Oakland, Garrett County, Maryland.

VAN HOUTEN'S COCOA—Pure. Soluble. Economical.

Don't become constipated. Take BEECHAM'S PILLS.

R. W. TANSILL CO., Chicago, invite all CANTRENS to address them concerning their \$25,000 \$0 cash distribution to smokers, as it is something of interest to soldiers.

## DIED.

LEIB.—At Millersburg, Pa., May 17, Brevet Lieutenant Colonel EDWARD H. LEIB, formerly Captain 5th U. S. Cav.

## HIGHLAND Evaporated Cream

A TABLE LUXURY,  
A CULINARY ARTICLE,  
AN INFANT'S FOOD.

## HIGHLAND EVAPORATED CREAM

Is unswartened and free from all preservatives. Retains its delicious and wholesome qualities for an indefinite time in all climates and at all seasons.

Sold by Grocers and Druggists Everywhere.

Write for our Infant Food circular and Highland Evaporated Cream booklet entitled "A FEW DAINTY DISHES."

HELVETIA MILK CONDENSING CO.,  
Sole Purveyors, Highland, Ill.

## Official Manual of Guard Duty,

By LIEUT. L. W. V. KENNON, U.S.A.,  
PUBLISHED BY THE AUTHORITY OF THE WAR DEPT.

By mail, postpaid, 75 cents. Extra, including so much of Manual as relates to the duties of the private soldier, postpaid, 10 cents.

Address JAMES Q. RICE, Washington, D.C.

IF YOU WANT TO KNOW  
HOW TO ADVERTISE

A SUMMER RESORT HOTEL,  
Send for a copy of

## "HICKS' ADVERTISERS' GUIDE,"

giving selected lists of leading newspapers and rates for advertising.

A copy of the Guide will be sent free to any hotel proprietor sending this advertisement to

WILLIAM HICKS,

120 NASSAU STREET, NEW YORK.

## A Profitable Business.

Few are aware how profitable a SUCCESSFUL town enterprise is. Here is history: "The Elyton Land Company, Birmingham, Ala., was incorporated in 1870 with a cash capital of \$100,000. The capital stock was then fixed at \$200,000. In 1883 a dividend of \$200,000 was declared; 1884, 95 per cent.; 1885, 45 per cent.; 1886, 940 per cent.; 1887, 2,905 per cent.; 1888, 100 per cent., amounting to the aggregate to \$5,500,000 paid in dividends in six years on an investment of \$100,000. The property is now worth probably \$50,000,000. Middlesborough, Ky., in two years became a city of 8,000, its town company stock appreciated 650 per cent. on original cost. Many other examples could be mentioned."

THE CO-OPERATIVE TOWN COMPANY. Now in the way to surpass any such enterprise, is offering its stock on the installment plan. Small investors can come in.

ALMOST ANY PER CENT. IN PROFITS may be looked for as the investor's reward. In consequence of the recent heavy sales of stock and lots the directors have decided

TO WITHDRAW SERIES B. From the market at an early date. The next series will be issued at an advance price.

Series B is sold at the low price of \$1 per share membership fee and 20 monthly installments of \$1.25 each.

**Stock In The**  
CO-OPERATIVE TOWN CO. IS ALREADY ASSURED OF DIVIDENDS if the signs of the annual meeting go for anything. ONE HUNDRED AND FORTY-SIX LOTS were sold at an average of about \$800 each. The town site of the company is located in the beautiful Watauga Valley, 1500 feet above the sea in East Tennessee and the heart of the Bessemer ore region.

## The Co-operative Town Co.

INCLUDES IN ITS MANAGEMENT Hon. ROBERT P. PORTER, president; Hon. LOUIS B. MCCOMAS, vice president; Col. A. T. MARTON, treasurer; and Hon. JOHN G. CARLISLE, THOMAS G. HARRIS, H. C. HANSBROUGH, BENJAMIN BUTTERWORTH, &c., directors.

For all information, maps, plans, etc., call on or address

D. PRESTON PARR, Jr.,  
General Agent, 31 Atlantic Building,  
WASHINGTON, D. C.

## WORTH A GUINEA A BOX.



**BEECHAM'S PILLS** are made there. They are a specific for all Nervous and Bilious Disorders arising from Weak Stomach, Impaired Digestion, Disordered Liver and all Female Affections. THEY ARE COVERED WITH A TASTELESS AND SOLUBLE COATING. Of all druggists. Price 25 cents a box. New York Depot, 355 Canal St.

We Bottle

## CLAUSENS' LAGER BEER

—EXPRESSLY FOR—

## THE ARMY —AND NAVY.

Quality Unsurpassed.

Send for Prices.

THE PHOENIX BOTTLING CO.,  
886-890 SECOND AV.,  
New York.

## DEER PARK & OAKLAND

ON  
THE CREST OF THE ALLEGHANIES,  
3,000 Feet Above Tide-Water.

Season Opens June 22d, 1892.

These famous mountain resorts, situated at the summit of the Alleghany and directly upon the main line of the Baltimore and Ohio Railroad, have the advantage of its splendid vestibuled express train service both east and west, and are therefore readily accessible from all parts of the country. All Baltimore and Ohio trains stop at Deer Park and Oakland during the season.

Rates, \$40, \$75 and \$90 a month, according to location. Communications should be addressed to GEORGE D. DESHIELDS, Manager, Baltimore and Ohio Hotel, Cumberland, Md., up to June 10; after that date, either Deer Park or Oakland, Garrett County, Md.

THE SHURLY CO., 56 RANDOLPH ST., Central Music Hall, CHICAGO. WATCHMAKERS & MANUFACTURING JEWELERS. Watches, Diamonds, Solid Silver, Plated Ware, Jewelry, etc. Army and Society Badges. Watch repairing & Diamond setting a specialty. Goods sent on approval.

F. J. HEIBERGER,

ARMY & NAVY MERCHANT TAILOR,  
15TH ST., opposite U. S. Treasury,  
WASHINGTON, D. C.

**COMPOUND INTEREST** CERTIFICATES OF THE HOME SAVINGS AND LOAN ASSOCIATION double in value in seven years. Can be withdrawn with accrued interest any time on 30 days notice. This form of investment pays nearly three times as well as an ordinary savings bank. Pamphlets, with highest references, free.

N. F. NEW HALL, MANAGER,  
333 Drexel Building, Phila., Pa.

## HIGH CLASS DRESS GOODS At Reduced Prices.

We have transferred from our wholesale department several hundred pieces of High Class Dress Goods, marking them at prices that represent less than half their landing price at this port.

Four, five, and six dollar Novelties now reduced to \$1.75 and \$2.00 per yard.

Two and three dollar novelties now marked \$1 and \$1.25 per yard.

Several lines of the richest styles have been divided into dress patterns. These have been marked \$8.00 and \$10 per dress—extraordinary value.

All of the goods are this season's importation, fine in quality and artistic in style. Purchasers who have delayed the selection of their Summer wardrobes will find the best of materials for the price of commonplace goods during this sale.

A new arrival of Embroidered Serges and Crepes in all over needle-work is also noted.

JAMES McCREERY & CO.  
BROADWAY AND 11th ST.  
NEW YORK.

## JUST READY.

16mo, Leather Tuck, Diagrams and 16 Plates.  
Price, \$2.00.

## Hand-Book on Naval Gunnery,

COMPILED FOR THE USE OF THE  
U. S. Navy and the State Navy  
Reserves.

By CYRUS S. RADFORD,  
U. S. NAVY.

D. VAN NOSTRAND COMPANY,  
PUBLISHERS,

23 Murray and 27 Warren Sts.,  
NEW YORK.

\* Copies sent by mail on receipt of price.

Curiosities both Ancient and Modern, Bought, Sold or Exchange.

INDIAN IMPLEMENTS OF WAR FROM any country. Scalps, Skulls, Stone, Bone or Wood Idols or Carvings, Stone Arrow-point Axes, Knives, pipes, mortars, beads and tomahawks; baskets, old pottery, Indian dress, or body ornaments, bows and arrows, clubs, spears, &c.; coins, shells, precious stones, works of art, or curiosities of any kind; Crystallized Mineral specimens from Alaska, Mexico, Australia, New Caledonia, and the United States, &c. NATHAN JOSEPH, 641 CLAY ST., San Francisco, Cal. Correspondence solicited.

Patent Binder  
FOR FILING THE  
ARMY AND NAVY JOURNAL  
By mail, postpaid.....\$1.25  
Delivered at office.....1.00



Outfit that very properly contains a supply of

## Hires' Root Beer

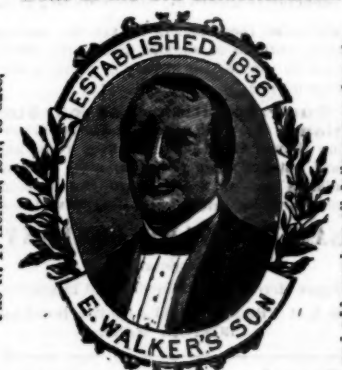
which adds to the enjoyment of all the other dainties, and makes a picnic a picnic indeed. A 25 cent package makes 5 gallons of this very popular beverage.

Don't be deceived if a dealer, for the sake of larger profit, tells you some other kind is "just as good"—it's false. No imitation is as good as the genuine Hires'.

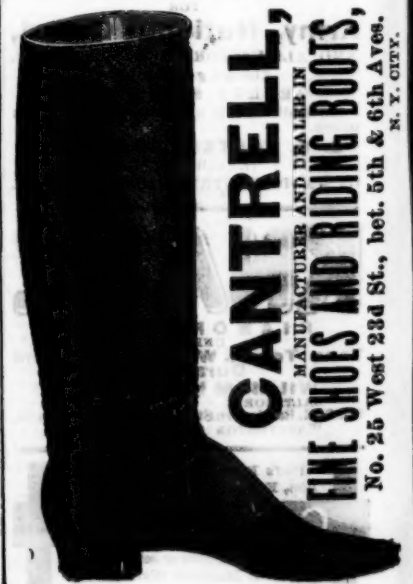
## JOSEPH GILLOTT'S STEEL PENS.

GOLD MEDAL, PARIS EXPOSITION, 1889,  
THE MOST PERFECT OF PENS.

GET YOUR  
BOOK-BINDING  
Done at the Old Establishment.



HARPERS' AND ARMY AND NAVY PUBLICATIONS A SPECIALTY. Books bound to any pattern. Good work, low price. JAS. E. WALKER, 20 Jacob Street, Cor. Frankford, N. Y. City. Branch—85 S. Portland Ave., Brooklyn.



CANTRELL,  
MANUFACTURER AND DEALER IN  
FINE SHOES AND RIDING BOOTS,  
No. 25 West 23d St., bet. 5th & 6th Aves.  
N. Y. CITY.